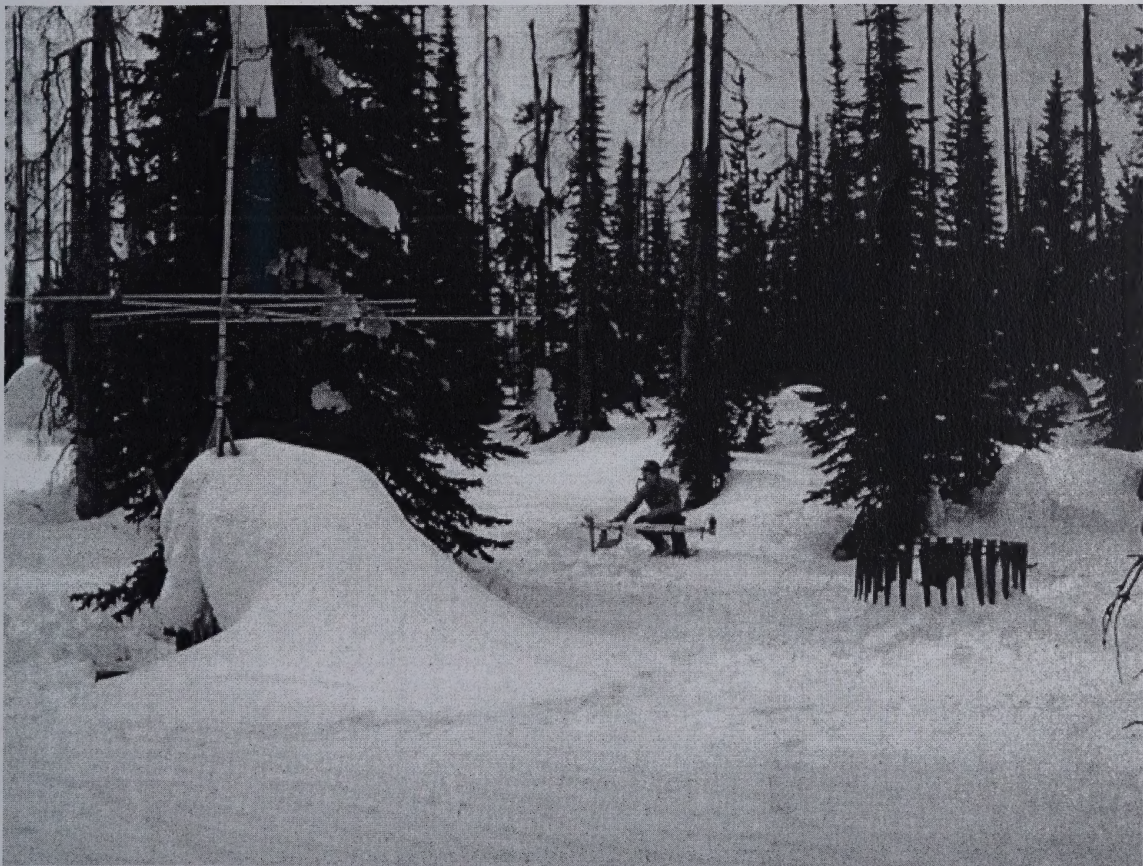


Montana Water Supply Outlook Report June 1, 2004



Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report

and Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.



Where to Get More Information

This contact list provides you with the names and phone numbers of individuals who can provide more detailed snow survey information for each county.

Beaverhead County

Victor Hager
683-3800

Big Horn County

Evan Van Order
665-3442

Blaine County

Matthew Crampton
357-2320

Broadwater County

Kelly Morris
266-3146

Carbon County

Gregory Evertz
962-3641

Carter County

Wayne Yost
775-6355

Cascade County

Marty Metz
727-7580

Chouteau County

Dan Van Voast
622-5627

Custer County

Terry Heck
232-7905

Daniels County

Stanley French
487-5366

Dawson County

Linda Peterson-Lohse
365-5566

Deer Lodge County

Glen Green
846-1703

Fallon County

Ann Fischer
778-2217

Fergus County

Patty Creamer
538-7401

Flathead County

Angel Rosario
752-4242

Gallatin County

Gordon Hill
522-4000

Garfield County

Sue Fitzgerald
557-2232

Glacier County

Mark Johnson
873-4292

Golden Valley County

John Rouane Jr.
323-2103

Granite County

Mary McDonald Pochelon
859-3291

Hill County

Deana Grabofsky
265-6792

Jefferson County

Julie Sacks
287-3215

Judith Basin County

Rick Caquelin
566-2311

Lake County

David Wolf
676-2841

Lewis and Clark County

Mindy Gauthier
449-5000

Liberty County

Dawn Wickum
759-5778

Lincoln County

Kirk Sullivan
296-2233

Madison County

Ole Berkram
842-5741

McCone County

Regan Fanning
485-2744

Meagher County

Tammy DeCock
547-3633

(over)

Mineral County

Tony Prince
829-3395

Roosevelt County

Robert Bray
787-5232

Wibaux County

Katrina Johnson
796-2211

Missoula County

Tony Prince
829-3395

Rosebud County

Rocky Schwagler
346-7333

Yellowstone County

Valerie Roberson
657-6135

Musselshell County

John Rouane Jr.
323-2103

Sanders County

Don Feist
826-3701

Park County

Ron Hoagland
222-2899

Sheridan County

Monica Friedrich
765-1801

Petroleum County

Nikki Lott
429-6646

Silver Bow County

Julie Sacks
287-3215

Phillips County

Lorna Philp
654-1334

Stillwater County

Philip Sandoval
322-5359

Pondera County

Lanny Walker
278-3922

Sweet Grass County

Chuck Roloff
932-5160

Powder River County

Carol Hilliard
436-2417

Teton County

Stacy Denny-Eneboe
466-5722

Powell County

Glen Green
846-1703

Toole County

Misty Vermulm
434-5234

Prairie County

Bob Prongua
635-5381

Treasure County

Stewart Greer
342-5510

Ravalli County

Lane Johnson
363-5010

Valley County

Denise Wiedenheft
228-4321

Richland County

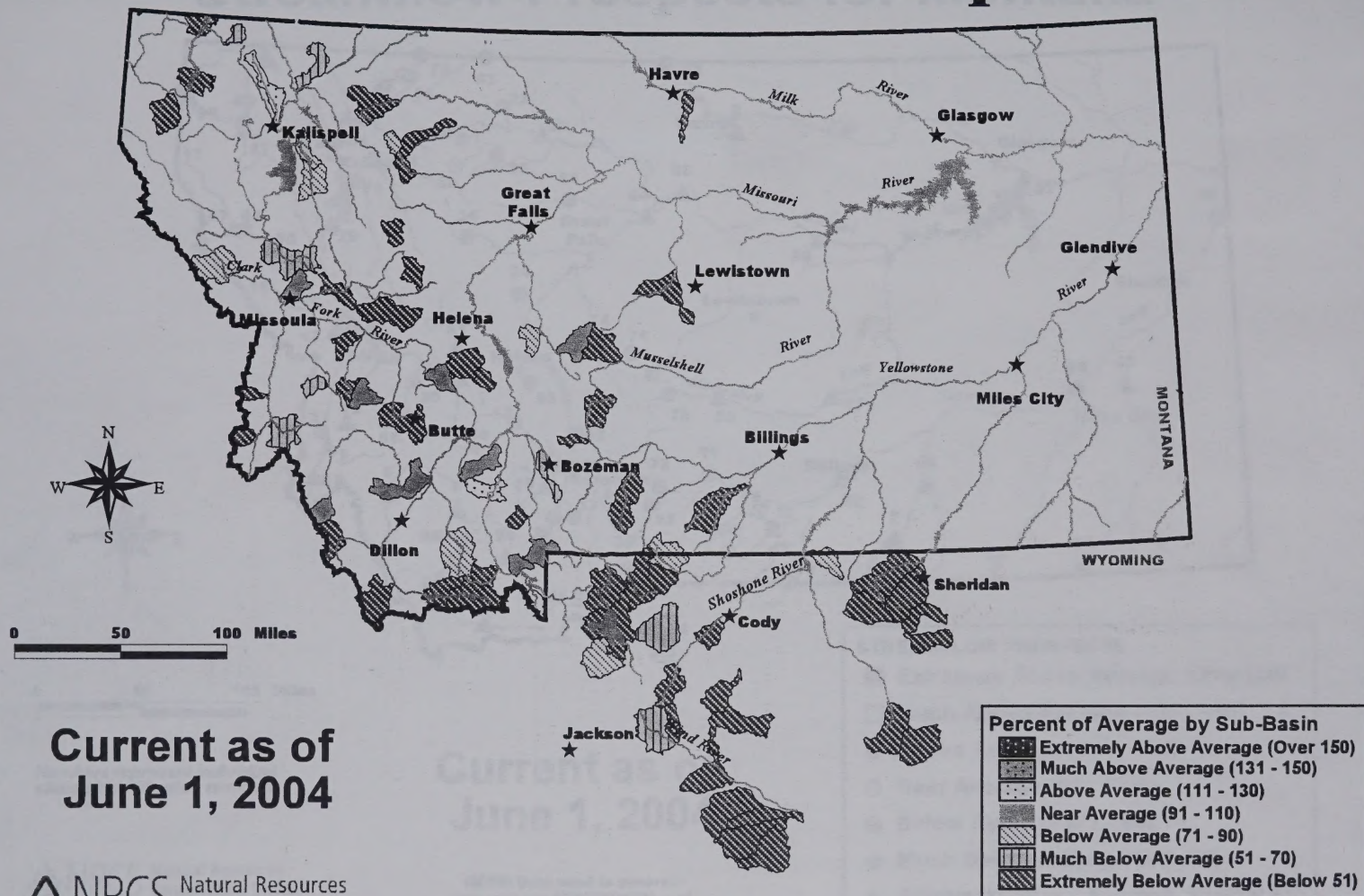
Jamie Selting
433-2103

Wheatland County

John Oiestad
632-5534

12/19/02

Mountain Snow Water Equivalent

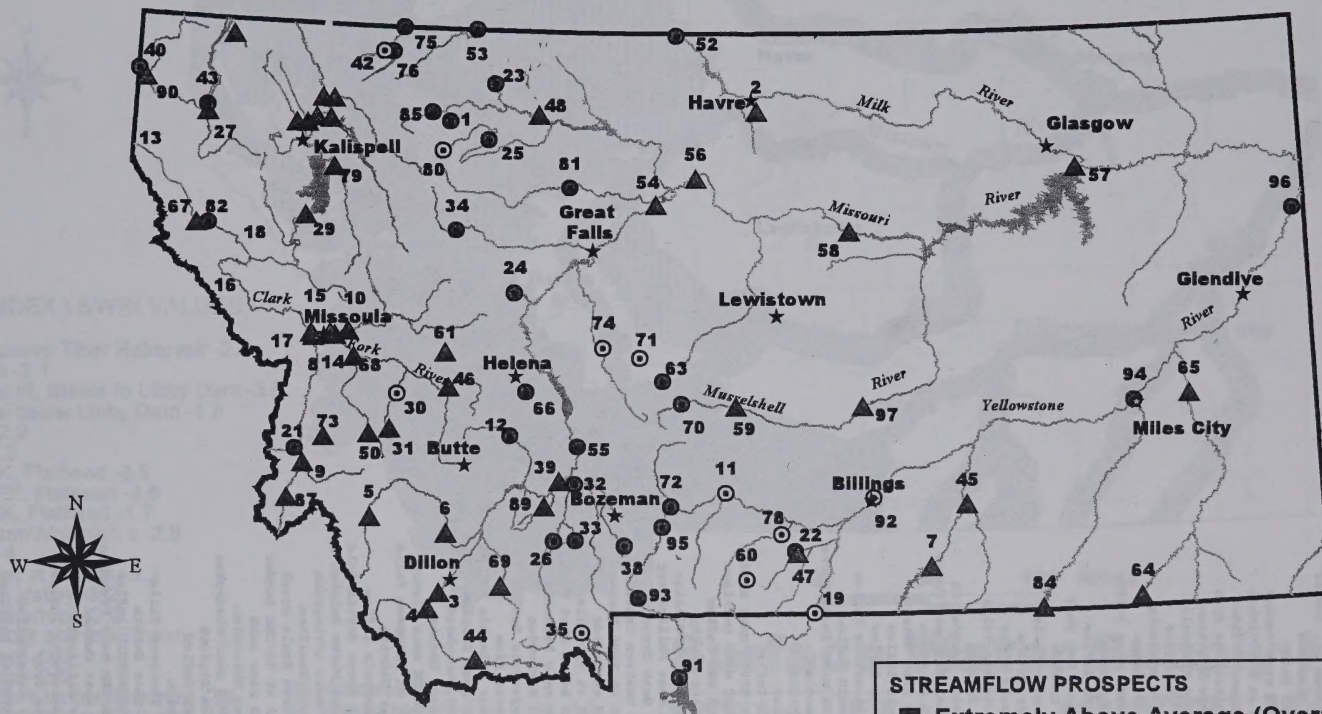


**Current as of
June 1, 2004**

NRCS Natural Resources
Conservation Service
<http://www.mt.nrcs.usda.gov>

**NOTE: Data used to generate
this map are PROVISIONAL and
SUBJECT TO CHANGE.**

Streamflow Prospects for Montana



Numbers represent individual
station identification numbers.

**Current as of
June 1, 2004**

 **NRCS** Natural Resources
Conservation Service

<http://www.mt.nrcs.usda.gov>

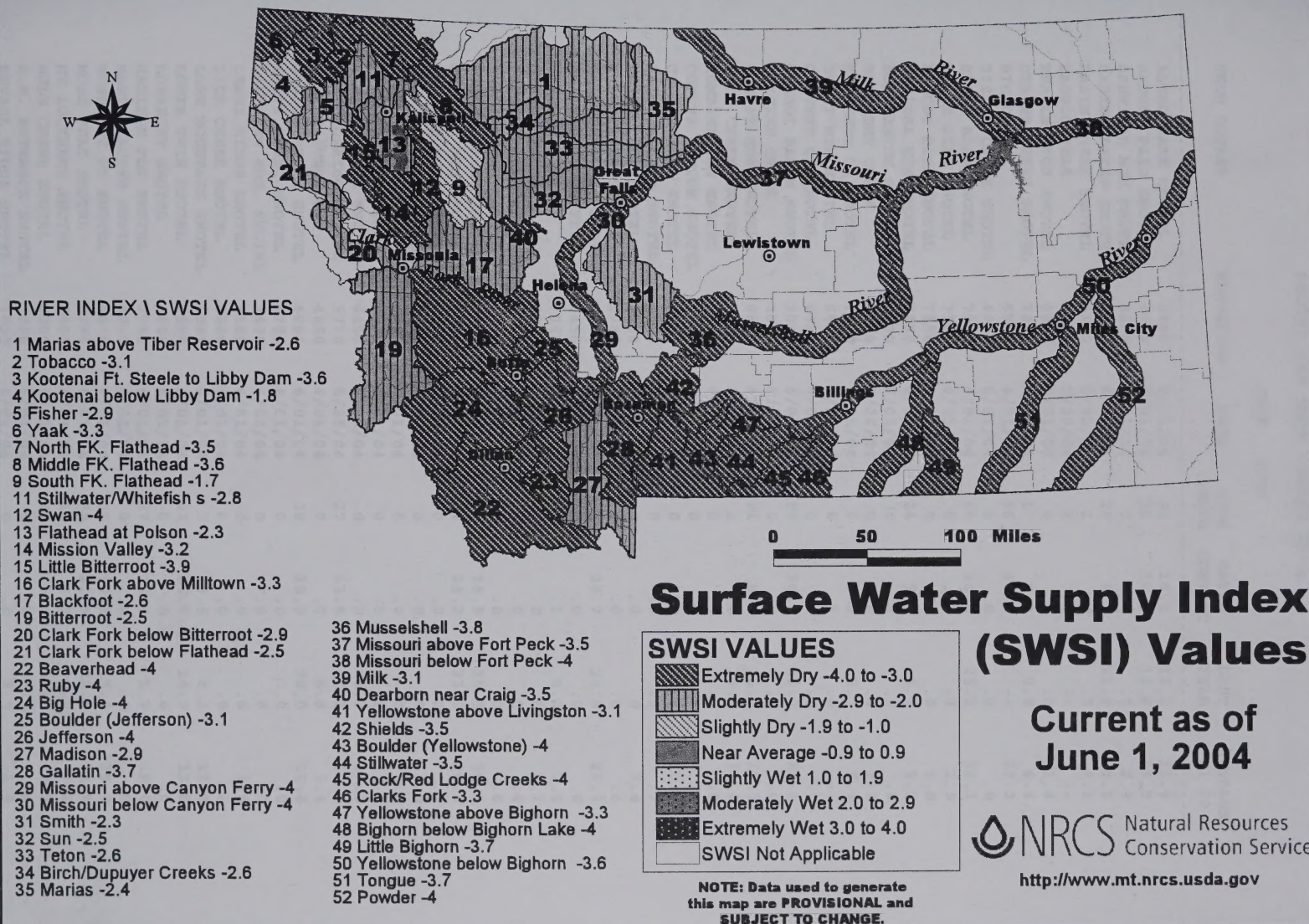
NOTE: Data used to generate
this map are PROVISIONAL and
SUBJECT TO CHANGE.

STREAMFLOW PROSPECTS

- Extremely Above Average (Over 150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- ⊙ Below Average (71 - 90)
- Much Below Average (51 - 70)
- ▲ Extremely Below Average (Below 51)

Map #Forecast Point

1	BADGER CREEK near Browning
2	BEAVER CREEK near Havre
3	BEAVERHEAD RIVER at Barretts
4	CLARK CANYON RES Inflow
5	BIG HOLE RIVER at Wisdom
6	BIG HOLE RIVER near Melrose
7	BIGHORN RIVER near St. Xavier
8	BITTERROOT at Missoula
9	BITTERROOT near Darby
10	BLACKFOOT RIVER near Bonner
11	BOULDER RIVER at Big Timber
12	BOULDER RIVER near Boulder
13	CLARK FK at Whitehorse Rps
14	CLARK FORK above Milltown
15	CLARK FORK above Missoula
16	CLARK FORK at St. Regis
17	CLARK FORK below Missoula
18	CLARK FORK near Plains
19	CLARKS FORK RIVER near Belfry
21	COMO RESERVOIR Inflow
22	COONEY RESERVOIR Inflow
23	CUT BANK CREEK at Cut Bank
24	DEARBORN near Crag
25	DUPUYER CREEK near Valier
26	ENNIS Reservoir Inflow
27	FISHER RIVER near Libby
28	FLATHEAD at Columbia Falls
29	FLATHEAD Lake Inflow
30	FLINT CREEK below Boulder Ck
31	FLINT CREEK near Southern Cross
32	GALLATIN RIVER at Logan
33	GALLATIN RIVER near Gateway
34	GIBSON Reservoir Inflow
35	HEDGEM Reservoir Inflow
36	HUNGRY HORSE Reservoir Inflow
38	HYALITE RESERVOIR Inflow
39	JEFFERSON RIVER near Three Forks
40	KOOTENAI at Leona
42	LAKE SHERBURNE Inflow
43	LIBBY RES Inflow
44	LIMA RESERVOIR Inflow
45	LITTLE BIGHORN RIVER near Hardin
46	LITTLE BLACKFOOT near Garrison
47	LOWER WILLOW CK RES Inflow
48	MARIAS RIVER near Shelby
49	MF FLATHEAD near West Glacier
50	MF ROCK CREEK near Philipsburg
52	MILK RIVER at East Cross.
53	MILK RIVER at Western Crossing
54	MISSOURI RIVER at Fort Benton
55	MISSOURI RIVER at Toston
56	MISSOURI RIVER at Virgelle
57	MISSOURI RIVER below Fort Peck
58	MISSOURI RIVER near Landusky
59	MUSSELSHELL at Harlowton
60	MYSTIC LAKE Reservoir Inflow
61	NEVADA CREEK near Finn
62	NF FLATHEAD near Columbia Falls
63	NF MUSSELSHELL near Delpine
64	POWDER RIVER at Moorehead
65	POWDER RIVER near Locate
66	PRICKLY PEAR CREEK near Clancy
67	PROSPECT CREEK at Thompson Falls
68	ROCK CREEK near Clinton
69	RUBY RIVER Reservoir Inflow
70	SF MUSSELSHELL above Martinsdale
71	SHEEP CREEK near White Sulphur Spgs.
72	SHIELDS RIVER near Livingston
73	SKALWAHO CK near Hamilton
74	SMITH RIVER above Eagle Creek
75	ST. MARY RIVER at US/CAN Border
76	ST. MARY RIVER near Babb
77	STILLWATER near Whitefish
78	STILLWATER RIVER near Absarokee
79	SWAN RIVER near Bigfork
80	SWIFT RESERVOIR Inflow
81	TETON near Dutton
82	THOMPSON near Thompson Falls
83	TOBACCO RIVER near Eureka
84	TONGUE RIVER RESERVOIR Inflow
85	TWO MEDICINE RIVER near Browning
87	WF BITTERROOT near Conner
88	WHITEFISH near Kalispell
89	WILLOW CREEK Reservoir Inflow
90	YAAK RIVER near Troy
91	YELLOWSTONE at Lake Outlet
92	YELLOWSTONE RIVER at Billings
93	YELLOWSTONE RIVER at Corwin Spgs
94	YELLOWSTONE RIVER at Miles City
95	YELLOWSTONE RIVER near Livingston
96	YELLOWSTONE RIVER near Sidney



SNOTEL AND SNOW COURSE DATA

JUNE 2004

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ALBRO LAKE SNOTEL	8300	6/01/04	36	14.5	11.2	13.4
BADGER PASS SNOTEL	6900	6/01/04	36	19.2	16.6	22.9
BANFIELD MTN SNOTEL	5600	6/01/04	0	.0	.0	2.9
BARKER LAKES SNOTEL	8250	6/01/04	24	8.2	11.5	9.5
BASIN CREEK SNOTEL	7180	6/01/04	1	.3	.0	4.1
BASSOO PEAK	5150	5/27/04	0	.0	--	--
BEAGLE SPGS SNOTEL	8850	6/01/04	0	.0	.0	1.4
BEAVER CREEK SNOTEL	7850	6/01/04	17	8.3	5.8	8.6
BIG CREEK	6750	6/01/04	56	27.4	--	39.2
BISSON CREEK SNOTEL	4920	6/01/04	0	.0	.0	.0
BLACK BEAR SNOTEL	7950	6/01/04	59	30.0	25.0	26.1
BLACK PINE SNOTEL	7100	6/01/04	0	.0	.0	1.9
BLOODY DICK SNOTEL	7550	6/01/04	0	.0	.0	1.0
BOULDER MTN SNOTEL	7950	6/01/04	24	7.9	6.9	9.2
BOX CANYON SNOTEL	6700	6/01/04	0	.0	.0	.0
BOXELDER CREEK	5100	5/26/04	0	.0	.0	2.2
BRACKETT CR SNOTEL	7320	6/01/04	0	.0	2.7	5.1
BURNT MTN SNOTEL	5880	6/01/04	0	.0	.0	--
CALVERT CR SNOTEL	6430	6/01/04	0	.0	.0	.0
CARROT BASIN SNOTEL	9000	6/01/04	57	24.8	19.7	24.2
CHICKEN CREEK	4060	6/01/04	0	.0	.0	.0
CLOVER MDW SNOTEL	8800	6/01/04	24	8.4	11.0	11.3
COLE CREEK SNOTEL	7850	6/01/04	2	.8	13.8	11.0
COMBINATION SNOTEL	5600	6/01/04	0	.0	.0	.0
COPPER BOTTOM SNOTEL	5200	6/01/04	0	.0	.0	.0
COPPER CAMP SNOTEL	6950	6/01/04	0	.0	9.6	10.9
CRYSTAL LAKE SNOTEL	6050	6/01/04	0	.0	.3	.7
DAISY PEAK SNOTEL	7600	6/01/04	0	.0	.0	3.4
DALY CREEK SNOTEL	5780	6/01/04	0	.0	.0	.0
DARKHORSE LK. SNOTEL	8700	6/01/04	55	24.7	28.8	26.3
DEADMAN CR SNOTEL	6450	6/01/04	0	.0	.0	.0
DISCOVERY BASIN	7050	5/25/04	2	.2	8.2	2.4
DIVIDE SNOTEL	7800	6/01/04	0	.0	.0	2.7
DUPUYER CREEK SNOTEL	5750	6/01/04	0	.0	.0	.4
EMERY CREEK SNOTEL	4350	6/01/04	0	.0	.0	.0
FISHER CREEK SNOTEL	9100	6/01/04	59	28.9	35.5	30.1
FLATTOP MTN SNOTEL	6300	6/01/04	52	25.2	33.6	36.5
FROHNER MDWS SNOTEL	6480	6/01/04	0	.0	.0	.7
GARVER CREEK SNOTEL	4250	6/01/04	0	.0	.0	.0
GRAVE CRK SNOTEL	4300	6/01/04	0	.0	.0	.0
HAND CREEK SNOTEL	5030	6/01/04	0	.0	.0	.0
HAWKINS LAKE SNOTEL	6450	6/01/04	0	.0	6.7	17.8
HELL ROARING DIVIDE	5770	5/25/04	27	13.9	14.1	10.8
HERRIG JUNCTION	4850	6/01/04	0	.0	6.8	5.4
HOODOO BASIN SNOTEL	6050	6/01/04	38	20.9	28.0	28.4
KRAFT CREEK SNOTEL	4750	6/01/04	0	.0	.0	.0
LAKEVIEW RDG. SNOTEL	7400	6/01/04	0	.0	.0	.3
LEMHI RIDGE SNOTEL	8100	6/01/04	0	.0	.0	1.4
LICK CREEK SNOTEL	6860	6/01/04	0	.0	.0	.5
LONE MOUNTAIN SNOTEL	8880	6/01/04	7	3.5	8.3	11.8
LOWER TWIN SNOTEL	7900	6/01/04	41	16.6	14.5	13.0
LUBRECHT SNOTEL	4680	6/01/04	0	.0	.0	.0
MADISON PLT SNOTEL	7750	6/01/04	27	12.4	1.7	9.0
MANY GLACIER SNOTEL	4900	6/01/04	0	.0	.0	.0
MONUMENT PK SNOTEL	8850	6/01/04	25	10.5	15.8	15.9
MOSS PEAK SNOTEL	6780	6/01/04	48	22.9	28.0	31.0
MT LOCKHART SNOTEL	6400	6/01/04	11	4.7	2.7	9.6
MULE CREEK SNOTEL	8300	6/01/04	27	8.9	11.6	9.3
N.E. ENTRANCE SNOTEL	7350	6/01/04	0	.0	.0	.4
NEVADA RIDGE SNOTEL	7020	6/01/04	0	.0	2.3	3.4

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
NEZ PERCE CMP SNOTEL	5650	6/01/04	0	.0	.0	.3
N.F. ELK CR SNOTEL	6250	6/01/04	0	.0	.0	.6
NF JOCKO SNOTEL	6330	6/01/04	28	14.1	23.7	26.4
NOISY BASIN SNOTEL	6040	6/01/04	51	22.7	22.9	30.1
OPHIR PARK	7150	6/01/04	0	.0	8.4	--
PETERSON MDW SNOTEL	7200	6/01/04	0	.0	6.8	2.7
PICKFOOT CRK SNOTEL	6650	6/01/04	0	.0	.0	.0
PIKE CREEK SNOTEL	5930	6/01/04	0	.0	.0	7.3
PLACER BASIN SNOTEL	8830	6/01/04	2	1.2	10.1	14.6
POORMAN CR SNOTEL	5100	6/01/04	0	.0	4.3	11.1
PORCUPINE SNOTEL	6500	6/01/04	0	.0	.0	.0
RED MOUNTAIN	6000	5/24/04	2	1.0	1.4	4.1
REVAIS CREEK	4800	6/01/04	0	.0	.0	.0
ROCKER PEAK SNOTEL	8000	6/01/04	31	11.3	11.4	11.7
ROCKY BOY SNOTEL	4700	6/01/04	0	.0	.0	.2
SACAJAWEA SNOTEL	6550	6/01/04	0	.0	.0	.0
SADDLE MTN SNOTEL	7900	6/01/04	28	10.1	15.9	16.3
S.F. SHIELDS SNOTEL	8100	6/01/04	15	5.7	4.9	12.3
SHORT CREEK SNOTEL	7000	6/01/04	0	.0	.0	.0
SHOWER FALLS SNOTEL	8100	6/01/04	34	12.6	16.9	20.5
SKALKAHO SNOTEL	7260	6/01/04	26	10.0	17.9	14.6
SLEEPING WOMAN SNTL	6150	6/01/04	0	.0	.0	1.2
SPUR PARK SNOTEL	8100	6/01/04	41	15.4	14.6	14.2
STAHL PEAK SNOTEL	6030	6/01/04	42	19.3	28.7	28.0
STRYKER BASIN	6180	6/01/04	23	11.1	21.8	19.4
STUART MOUNTAIN SNTL	7400	6/01/04	39	17.3	20.8	17.0
SUCKER CREEK	3960	5/26/04	0	.0	.0	2.2
TAYLOR ROAD	4080	5/26/04	0	.0	.0	2.2
TEPEE CREEK SNOTEL	8000	6/01/04	2	.8	.8	5.2
TIZER BASIN SNOTEL	6840	6/01/04	0	.0	.0	.3
TV MOUNTAIN	6800	6/01/04	0	.0	.0	--
TWELVEMILE SNOTEL	5600	6/01/04	0	.0	.0	.4
TWIN LAKES SNOTEL	6400	6/01/04	15	7.3	23.3	22.3
WALDRON SNOTEL	5600	6/01/04	0	.0	.0	.1
WARM SPRINGS SNOTEL	7800	6/01/04	42	17.2	22.5	17.0
WEST YELL'ST SNOTEL	6700	6/01/04	0	.0	.0	.0
WHISKEY CREEK SNOTEL	6800	6/01/04	0	.0	.0	1.2
WHITE MILL SNOTEL	8700	6/01/04	43	17.3	22.9	18.0
WOOD CREEK SNOTEL	5960	6/01/04	0	.0	.0	.5

Montana Water Supply Outlook Report as of June 1, 2004

Overall, May turned out to be a good precipitation month, the first in several months. Precipitation for May was 121 percent of average bringing the water year precipitation to 91 percent of average. Most streams and rivers have reached their snow melt peaks for this year and will not crest higher without significant rain and or above average temperatures. The remaining snow melt peaks should be over by the second week in June. Rainfall during the third and fourth weeks of May increased flows in many streams and rivers, especially those in the Lower Milk River. Although streams and rivers responded favorably to the rain, most did not reach average flow for this time of year and receded after the rain stopped. The Lower Milk River streams are the exception and remain above average from rain received over the past two weeks. Several streams and rivers in the Yellowstone Basin continue to set new record low flows.

Snowpack

As of June 1, remaining snow water contents west of the Continental Divide was 60 percent of average and 67 percent of last year and east of the Continental Divide was 62 percent of average and 87 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	60	67
KOOTENAI	43	58
FLATHEAD	73	82
UPPER CLARK FORK	64	58
BITTERROOT	47	46
LOWER CLARK FORK	54	68
MISSOURI	77	107
MISSOURI HEADWATERS	82	104
JEFFERSON	79	92
MADISON	96	122
GALLATIN	70	92
MISSOURI MAINSTEM	69	109
HEADWATERS MAINSTEM	76	93
SMITH-JUDITH-MUSSELSHELL ..	81	112
SUN-TETON-MARIAS	59	124
MAINSTEM ABOVE FT. PECK RES	69	109
ST. MARY	69	75
YELLOWSTONE	50	71
UPPER YELLOWSTONE	57	65
LOWER YELLOWSTONE	37	78

Precipitation

May mountain and valley precipitation across the state was 121 percent of average and 91 percent of last year, while the water year precipitation was 91 percent of average and 98 percent of last year. This is exactly what needed to happen to extend the flows in streams and rivers.

West of the Continental Divide, May mountain and valley precipitation was 133 percent of average and 152 percent of last year and the water year precipitation was 92 percent of average and 85 percent of last year. East of the Divide, May mountain and valley precipitation was 116 percent of average and 91 percent of last year and the water year precipitation was 94 percent of average and 111 percent of last year.

RIVER BASIN	MAY % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	133	91
KOOTENAI	129	92
FLATHEAD	115	90
UPPER CLARK FORK	122	91
BITTERROOT	172	94
LOWER CLARK FORK	181	91
MISSOURI	132	96
JEFFERSON	134	93
MADISON	143	98
GALLATIN	113	87
MISSOURI MAINSTEM	132	101
SMITH-JUDITH-MUSSELSHELL	114	98
SUN-TETON-MARIAS	121	92
MILK	191	129
ST. MARY	102	84
YELLOWSTONE	78	79
UPPER YELLOWSTONE	91	80
LOWER YELLOWSTONE	71	78

Reservoirs

Major reservoir storages state-wide were 83 percent of average and 91 percent of last year. Reservoir storage west of the Continental Divide was 126 percent of average and 100 percent of last year. East of the Continental Divide, reservoir storages were 67 percent of average and 85 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	126	100
KOOTENAI	142	95
FLATHEAD	116	106
UPPER CLARK FORK	71	73
BITTERROOT	116	97
LOWER CLARK FORK	103	97
MISSOURI	66	85
JEFFERSON	40	79
MADISON	102	93
GALLATIN	130	101
MISSOURI MAINSTEM	64	85
SMITH-JUDITH-MUSSELSHELL	34	64
SUN-TETON-MARIAS	103	88
MILK	74	68
ST. MARY	66	85
YELLOWSTONE	76	90
UPPER YELLOWSTONE	78	62
LOWER YELLOWSTONE	76	92

Streamflow

SEASONAL STREAMFLOW FORECASTS

State-wide, streamflow forecasts average 39 and 50 percent of average. West of the Continental Divide, streamflow forecasts average 36 to 41 percent and east of the Continental Divide, streamflow forecasts average 40 and 54 percent.

Below are River Basin streamflow forecast summaries for the period May 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	June-July THIS YEAR		June-July LAST YEAR	
	% OF AVERAGE		% OF AVERAGE	
COLUMBIA	37 to 42	.....	71 to 82	
KOOTENAI	40 to 45	.....	59 to 71	
FLATHEAD	31 to 35	.....	62 to 72	
UPPER CLARK FORK	35 to 41	.....	78 to 94	
BITTERROOT	41 to 46	.....	92 to 102	
LOWER CLARK FORK	36 to 40	.....	62 to 69	
MISSOURI	39 to 53	.....	57 to 73	
JEFFERSON	21 to 35	.....	57 to 75	
MADISON	64 to 72	.....	78 to 86	
GALLATIN	57 to 69	.....	71 to 83	
MISSOURI MAINSTEM	38 to 53	.....	71 to 86	
SMITH-JUDITH-MUSSELSHELL .	39 to 57	.....	53 to 75	
SUN-TETON-MARIAS	41 to 61	.....	39 to 52	
MILK	39 to 46	.....	46 to 69	
ST. MARY	50 to 67	.....	67 to 84	
YELLOWSTONE	45 to 58	.....	66 to 79	
UPPER YELLOWSTONE	56 to 69	.....	75 to 89	
LOWER YELLOWSTONE	31 to 41	.....	53 to 65	

NOTE: The MAY-JULY LAST YEAR % OF AVERAGE column above is last years forecasts on May 1, NOT of what actually occurred.

Snow Melt Peak Streamflow Forecasts

COLUMBIA RIVER

Tobacco River near Eureka	Peaked April 15 at 61%
Fisher River near Libby	Peaked April 15 at 58%
Yaak River near Troy	Peaked April 15 at 47%
North Fork Flathead River near Columbia Falls	Peaked May 5 at 53%
Middle Fork Flathead River near West Glacier	Peaked May 5 at 57%
South Fork Flathead River above Twin Creeks	Peaked May 5 at 46%
Stillwater River near Whitefish	Peaked May 17 at 55%
Swan River at Big Fork	Peaked May 9 at 54%
Lower Willow Reservoir inflow	Peaked April 27
Blackfoot River near Bonner	Peaked May 9 at 53%
Clark Fork above Missoula	Peaked May 9 at 40%
Clark Fork below Missoula	Peaked May 6 at 47%
Bitterroot River near Darby	Peaked May 6 at 45%
Nevada Creek near Finn	Peaked May 11 at 14%
Middle Fork Rock Creek	Peaked May 8 at 40%
Thompson River near Thompson Falls	Peaked April 15 at 61%
Prospect Creek at Thompson Falls	Peaked April 15 at 49%
Clark Fork at St. Regis	Peaked May 7 at 48%

Snow Melt Peak Streamflow Forecasts (continued)

MISSOURI RIVER

Clark Canyon Reservoir inflow	Peaked May 16 at 15%
Ruby Reservoir inflow	Peaked June 6 at 45%
Big Hole below Big Lake near Wisdom	Peaked April 2 at 11%
Big Hole near Melrose	Peaked June 7 at 23%
Hebgen Reservoir inflow	Peaked May 13 at 39%
Hyalite Reservoir inflow	May 23 to May 29
Gallatin River near Gateway	Peaked June 6 at 59%
Gallatin River near Logan	Peaked June 7 at 41%
Boulder near Boulder	Peaked June 6 at 27%
Jefferson River near Three Forks	June 8 to 10
Missouri at Toston	June 8 to 10
Dearborn River near Craig	Peaked May 6 at 23%
Musselshell near Harlowton	Peaked May 12 at 9%
Sheep Creek near White Sulphur Springs ..	May 7 to May 13
Smith River below Eagle Creek	Peaked May 6
Gibson Reservoir inflow	Peaked May 8 at 36%
Swift Reservoir inflow	Peaked May 28 at 35%
Beaver Creek near Havre	April 6 to April 12
Prickly Pear near Clancy	Peaked May 5

YELLOWSTONE RIVER

Yellowstone River at Lake Outlet	June 12 to June 18
Yellowstone at Corwin Springs	Peaked June 7 at 62%
Yellowstone at Livingston	Peaked June 7 at 57%
Shields River near Livingston	Peaked June 7 at 20%
Boulder near Big Timber	Peaked June 7 at 53%
Stillwater near Absarokee	June 7 to June 9
Clarks Fork near Belfry	June 8 to June 10
Yellowstone at Billings	June 8 to 10
Little Bighorn near Hardin	Peaked May 14 at 8%
Powder River at Moorehead	Peaked May 14 at 6%

SASKATCHEWAN RIVER

St. Mary River at International Boundary	Peaked May 6 at 42%
Swiftcurrent Creek at Many Glacier	Peaked May 4 at 57%
Swiftcurrent Creek at Sherburne	Peaked May 4 at 49%

Surface Water Supply Index

The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

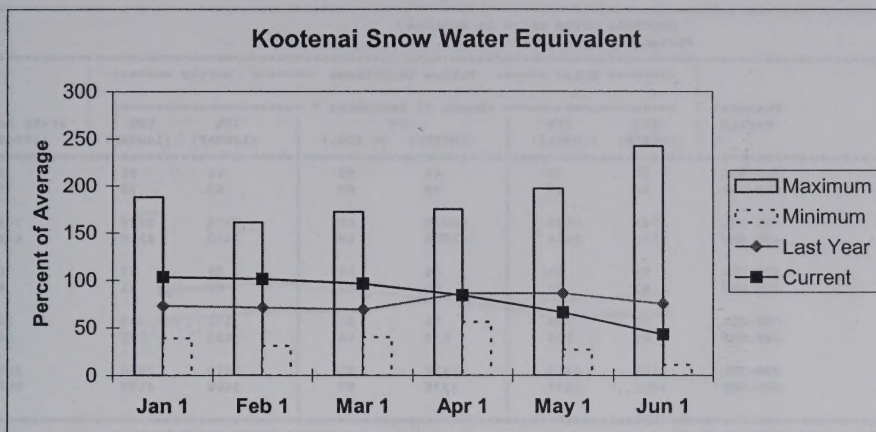
<u>SWSI RATING</u>	<u>SURFACE WATER CONDITION</u>
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

Surface Water Supply Index (continued)

This Year SWSI	Last Year SWSI	Basin
-3.1	-2.4	Tobacco River
-3.6	-1.2	Kootenai Ft. Steele to Libby Dam
-1.8	-1.5	Kootenai River below Libby Dam
-2.9	-2.8	Fisher River
-3.3	-3.0	Yaak River
-3.5	-2.7	North Fork Flathead River
-3.6	-2.4	Middle FORK Flathead River
-1.7	-0.8	South Fork Flathead River
-2.8	-2.5	Flathead River at Columbia Falls
-2.8	-2.6	Stillwater/Whitefish Rivers
-4.0	-2.2	Swan River
-2.3	-2.9	Flathead River at Polson
-3.2	-1.6	Mission Valley
-3.9	-2.3	Little Bitterroot River
-3.3	+0.9	Clark Fork River above Milltown
-2.6	-1.2	Blackfoot River
-2.5	+1.5	Bitterroot River
-2.9	+0.3	Clark Fork River below Bitterroot River
-2.5	-1.8	Clark Fork River below Flathead River
-4.0	-3.7	Beaverhead River
-4.0	-1.5	Ruby River
-4.0	-0.4	Big Hole River
-3.1	+0.9	Boulder River (Jefferson)
-4.0	-1.0	Jefferson River
-2.9	+0.4	Madison River
-3.7	+0.1	Gallatin River
-4.0	-1.2	Missouri River above Canyon Ferry
-4.0	-0.8	Missouri River below Canyon Ferry
-2.3	-0.5	Smith River
-2.5	-2.6	Sun River
-2.6	-1.7	Teton River
-2.6	-1.5	Birch/Dupuyer Creeks
-2.6	-1.5	Marias River above Tiber
-2.4	+0.4	Marias River below Tiber
-3.8	-2.0	Musselshell River
-3.5	+0.4	Missouri River above Ft. Peck
-4.0	-2.5	Missouri River below Ft. Peck
-3.1	-0.8	Milk River
-3.5	-2.4	Dearborn River near Craig
-3.1	-0.8	Yellowstone River above Livingston
-3.5	-0.8	Shields River
-4.0	-0.6	Boulder River (Yellowstone)
-3.5	+0.3	Stillwater River
-4.0	+0.9	Rock/Red Lodge Creeks
-3.3	-0.3	Clarks Fork River
-3.3	-0.5	Yellowstone River above Bighorn River
-4.0	-3.7	Bighorn River below Bighorn Lake
-3.7	-1.1	Little Bighorn River
-3.6	-1.9	Yellowstone River below Bighorn River
-3.7	-1.6	Tongue River
-4.0	-2.7	Powder River

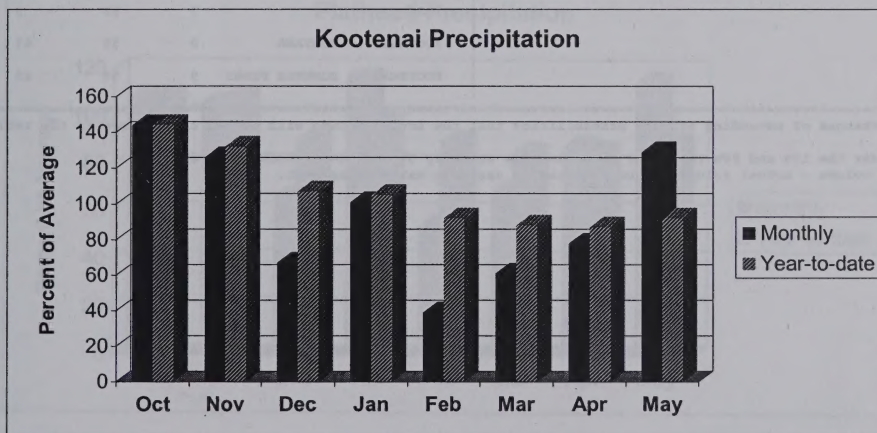
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were severely below average. Snow water content was 43 percent of average and 58 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during May was 125 percent of average and 168 percent of last year. Valley precipitation during May was 148 percent of average and 229 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 92 percent of average and 106 percent of last year.



Lake Koocanusa storage was 142 percent of average and 95 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -3.1 in the Tobacco River; -3.6 in the Kootenai Ft. Steele to Libby Dam; -1.8 in the Kootenai River below Libby Dam; -2.9 in the Fisher River; and -3.3 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)
		90% 70%		50%		30% 10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
=====								
TOBACCO RIVER nr Eureka	JUN-JUL	34	38	40	65	49	61	62
	JUN-SEP	40	45	49	65	60	75	76
LIBBY RES Inflow (1,2)	JUN-JUL	1744	2028	2220	65	2570	3340	3440
	JUN-SEP	2570	2874	3080	69	3430	4200	4440
FISHER RIVER nr Libby	JUN-JUL	33	40	44	65	53	67	68
	JUN-SEP	43	50	55	66	65	81	84
YAAK RIVER nr Troy	JUN-JUL	72	84	91	63	111	139	144
	JUN-SEP	89	102	110	66	131	161	166
KOOTENAI at Leonia (1,2)	JUN-JUL	2166	2317	2420	62	2610	3030	3920
	JUN-SEP	3042	3237	3370	67	3600	4100	5000

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	4536.0	4754.0	3193.1

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - June 1, 2004

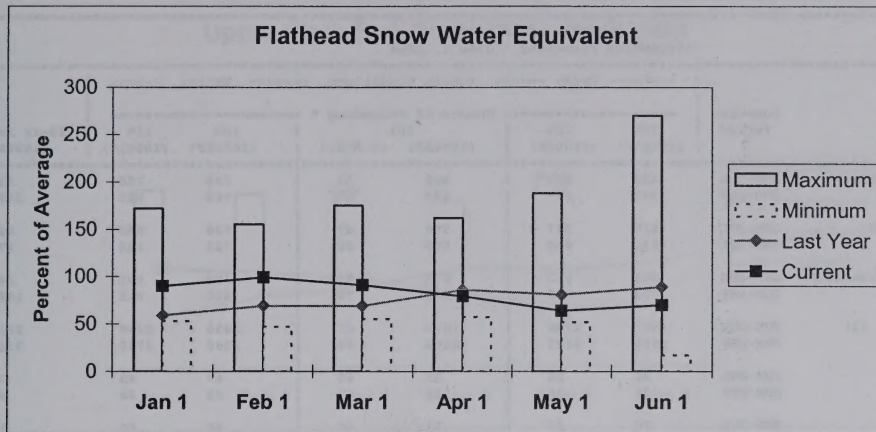
Watershed	Number of		This Year as % of	
	Data Sites		Last Yr	Average
KOOTENAY in CANADA	0		0	0
KOOTENAI MAINTSTEM	4		61	44
TOBACCO	2		67	69
FISHER	1		0	0
YAAK	3		12	5
KOOTENAI in MONTANA	9		58	43
KOOTENAI ab BONNERS FERRY	9		58	43

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 (2) - The value is natural volume - actual volume may be affected by upstream water management.

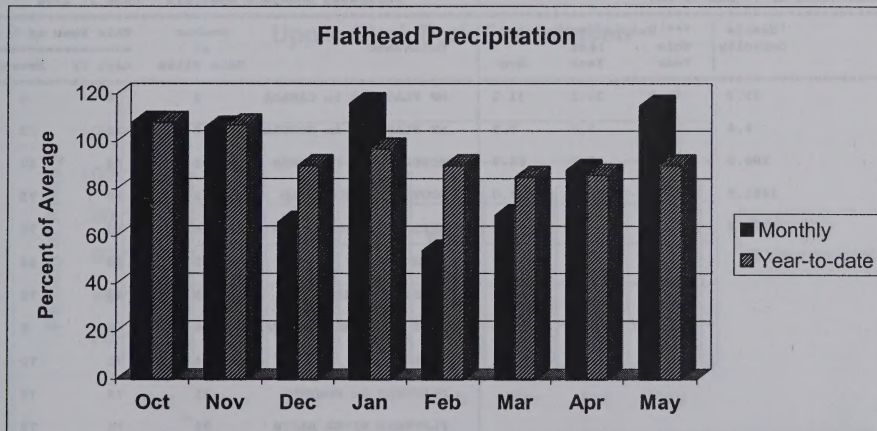
Flathead River Basin

Snowpack conditions in the Flathead River Basin were below average. Snow water content was 70 percent of average and 76 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2001; April maximum swe was in 1972 and minimum was in 2001; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during May was 117 percent of average and 129 percent of last year. Valley precipitation during May was 100 percent of average and 115 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 90 percent of average and 105 percent of last year.



Combined Camas reservoir storage was 40 percent of average and 54 percent of last year; Lower Jocko Lake was 106 percent of average and 65 percent of last year; combined Mission Valley reservoir storage was 87 percent of average and 133 percent of last year; Hungry Horse storage was 124 percent of average and 107 percent of last year; and Flathead Lake storage was 106 percent of average and 103 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -3.5 in the North Fork Flathead River; -3.6 in the Middle Fork Flathead River; -1.7 in the South Fork Flathead River; -2.8 in the Flathead River at Columbia Falls; -2.8 in the Stillwater/Whitefish Rivers; -4.0 in the Swan River; -2.3 in the Flathead River at Polson; -3.2 in the Mission Valley; and -3.9 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)
		Chance Of Exceeding *		Chance Of Exceeding *		Chance Of Exceeding *		
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
NF FLATHEAD nr Columbia Falls	JUN-JUL	492	533	560	68	640	760	830
	JUN-SEP	587	637	670	67	760	895	1000
MF FLATHEAD nr West Glacier	JUN-JUL	517	537	550	67	590	650	825
	JUN-SEP	632	654	670	69	715	785	975
HUNGRY HORSE Reservoir Inflow (1,2)	JUN-JUL	622	642	655	68	700	805	960
	JUN-SEP	722	745	760	70	810	915	1090
FLATHEAD at Columbia Falls (2)	JUN-JUL	1637	1740	1810	67	2030	2350	2690
	JUN-SEP	1966	2082	2160	68	2390	2730	3160
STILLWATER nr Whitefish	JUN-JUL	22	30	35	45	47	65	78
	JUN-SEP	28	39	46	47	62	84	98
WHITEFISH nr Kalispell	JUN-JUL	26	30	33	60	40	50	55
	JUN-SEP	32	38	41	60	49	61	68
ASHLEY CREEK nr Marion (2)	JUN-JUL	0.02	0.22	0.39	24	1.10	2.16	1.61
SWAN RIVER nr Bigfork	JUN-JUL	187	195	200	66	210	230	305
	JUN-SEP	243	250	255	66	265	280	385
Flathead Lake inflow (1,2)	JUN-JUL	1998	2071	2120	68	2270	2600	3100
	JUN-SEP	2325	2417	2480	69	2670	3090	3620

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
CAMAS (4)	45.2	12.5	23.1	31.2
LOWER JOCKO LAKE	6.4	3.7	5.7	3.5
MISSION VALLEY (8)	100.0	60.1	45.3	68.7
HUNGRY HORSE	3451.0	3199.0	2988.0	2588.0
FLATHEAD LAKE	1791.0	1593.0	1547.0	1499.2

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

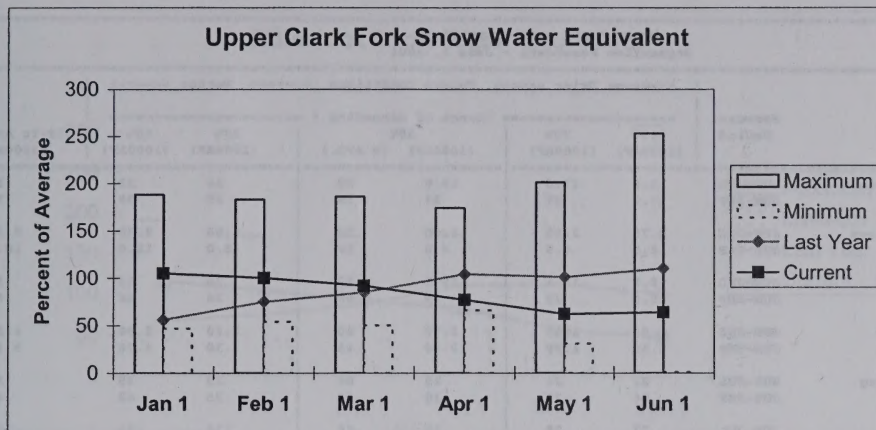
Watershed	Number of Data Sites	This Year as % of Last Yr Average	
NF FLATHEAD in CANADA	0	0	0
NF FLATHEAD in MONTANA	6	70	72
MIDDLE FORK FLATHEAD	4	88	67
SOUTH FORK FLATHEAD	2	99	75
STILLWATER-WHITEFISH	5	59	70
SWAN	5	80	69
MISSION VALLEY	3	82	72
LITTLE BITTERROOT-ASHLEY	0	0	0
JOCKO	4	71	70
FLATHEAD in MONTANA	21	76	70
FLATHEAD RIVER BASIN	21	76	70

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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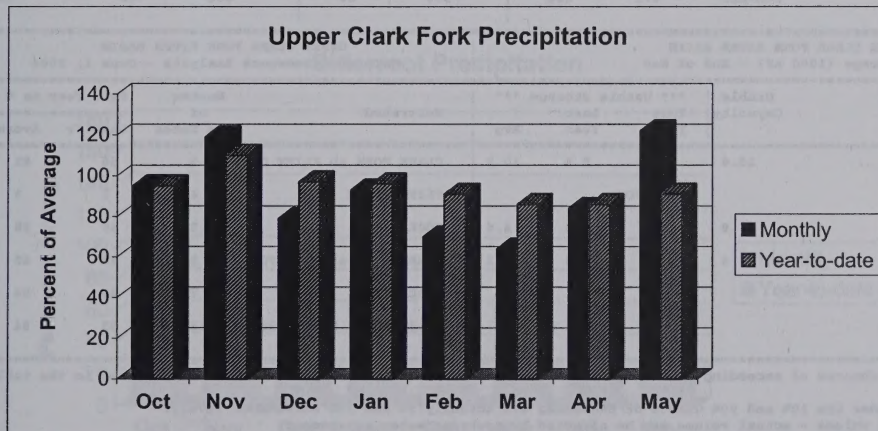
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were well below average. Snow water content was 64 percent of average and 55 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during May was 120 percent of average and 131 percent of last year. Valley precipitation during May was 132 percent of average and 130 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 91 percent of average and 91 percent of last year.



East Fork Reservoir was 59 percent of average and 66 percent of last year; Lower Willow Creek storage was 96 percent of average and 88 percent of last year; and Nevada Creek storage was 73 percent of average and 72 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -3.3 in the Clark Fork River above Milltown and -2.6 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - June 1, 2004

		<----- Drier ----- Future Conditions ----- Wetter ----->						
Forecast Point	Forecast Period	Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	JUN-JUL	15.6	17.6	19.0	59	24	32	32
	JUN-SEP	17.9	21	23	59	29	39	39
FLINT CREEK nr Southern Cross	JUN-JUL	2.76	3.80	4.50	58	6.00	8.20	7.70
	JUN-SEP	2.6	4.6	6.0	59	8.0	11.0	10.2
FLINT CREEK blw Boulder Ck	JUN-JUL	8.5	15.1	19.5	59	26	34	33
	JUN-SEP	15.0	23	29	60	36	48	48
LOWER WILLOW CK RES Inflow	JUN-JUL	0.84	1.35	1.70	40	2.60	3.80	4.30
	JUN-SEP	1.38	1.99	2.40	45	3.30	4.70	5.30
MF ROCK CREEK nr Philipsburg	JUN-JUL	22	24	25	64	29	35	39
	JUN-SEP	26	28	30	64	35	42	47
ROCK CREEK nr Clinton	JUN-JUL	77	88	95	64	115	144	148
	JUN-SEP	94	108	117	64	139	172	183
CLARK FORK abv Milltown	JUN-JUL	126	161	185	59	245	330	315
	JUN-SEP	165	209	240	59	310	410	410
NEVADA CREEK nr Helmville	JUN-JUL	1.88	2.13	2.30	33	2.80	3.60	7.00
	JUN-SEP	2.63	2.97	3.20	38	3.80	4.70	8.50
BLACKFOOT RIVER nr Bonner	JUN-JUL	217	243	260	68	300	360	380
	JUN-SEP	267	299	320	68	365	430	470
CLARK FORK abv Missoula	JUN-JUL	376	417	445	64	515	615	695
	JUN-SEP	471	524	560	64	640	750	880

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of May

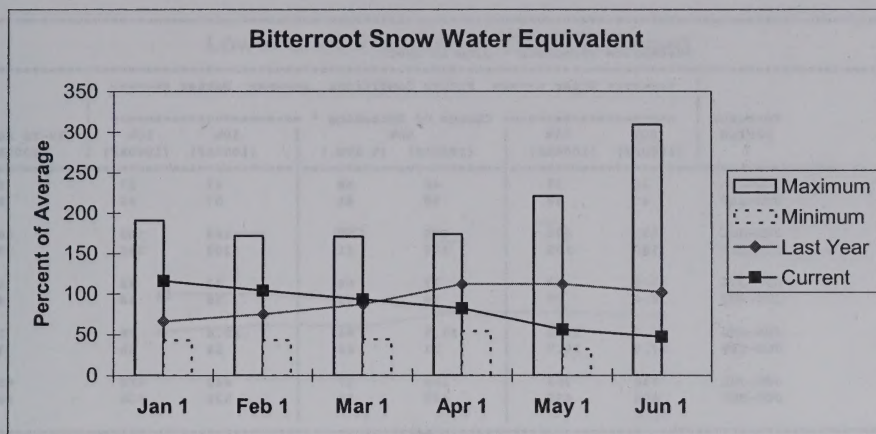
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
		This Year	Last Year	Avg			Last Yr	Average
EAST FORK ROCK CREEK	15.6	6.2	9.4	10.5	CLARK FORK ab FLINT CREEK	5	66	81
GEORGETOWN LAKE		NO REPORT			FLINT CREEK	4	1	3
LOWER WILLOW CREEK	4.9	4.4	5.0	4.6	ROCK CREEK	2	40	58
NEVADA CREEK	12.6	8.1	11.3	11.1	CLARK FORK ab BLACKFOOT	9	46	65
					BLACKFOOT	7	48	54
					UPPER CLARK FORK BASIN	16	55	64

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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 (2) - The value is natural volume - actual volume may be affected by upstream water management.

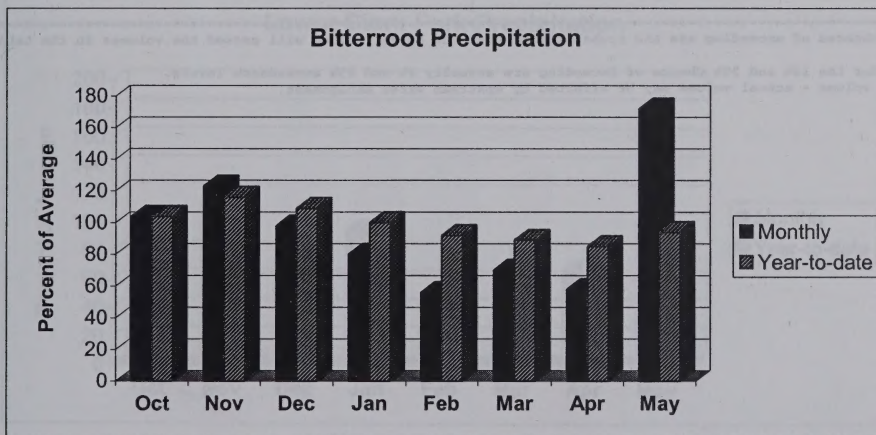
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were severely below average. Snow water content was 47 percent of average and 46 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 2001; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during May was 167 percent of average and 184 percent of last year. Valley precipitation during May was 186 percent of average and 221 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 94 percent of average and 89 percent of last year.



Painted Rocks Lake storage was 109 percent of average and 99 percent of last year and Como storage was 124 percent of average and 96 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -2.5 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>					
		90%		Chance Of Exceeding *		30%	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)
WF BITTERROOT nr Conner (2)	JUN-JUL	33	37	40	58	47	57
	JUN-SEP	41	46	50	61	57	69
BITTERROOT nr Darby	JUN-JUL	131	139	145	60	160	182
	JUN-SEP	160	172	180	61	200	225
COMO RESERVOIR Inflow	JUN-JUL	15.8	23	27	68	33	42
	JUN-SEP	18.4	25	30	68	36	46
SKALKAHO CK nr Hamilton	JUN-JUL	15.0	16.4	17.3	64	19.6	24
	JUN-SEP	17.8	19.7	21	64	24	28
BITTERROOT at Missoula	JUN-JUL	338	369	390	57	440	510
	JUN-SEP	400	439	465	58	520	600

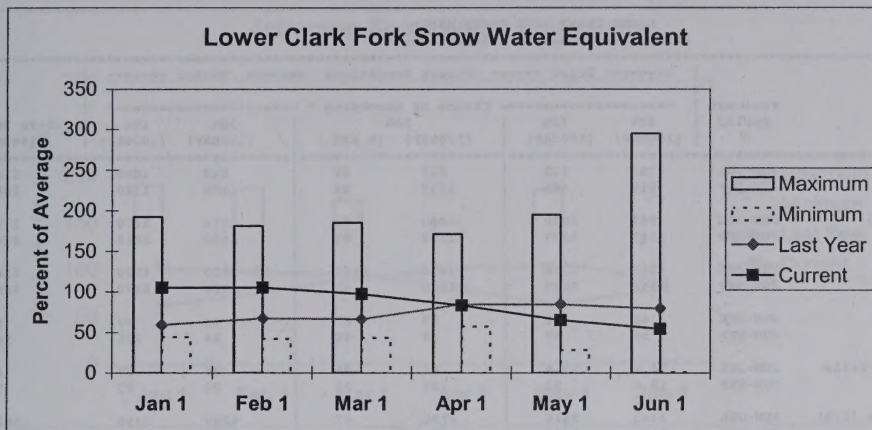
BITTERROOT RIVER BASIN					BITTERROOT RIVER BASIN			
Reservoir Storage (1000 AF) - End of May					Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number This Year as % of		
		This Year	Last Year	Avg		Data Sites	Last Yr	Average
PAINTED ROCKS LAKE	31.7	33.2	33.6	30.5	WEST FORK BITTERROOT	2	64	61
COMO	34.9	35.7	37.2	28.9	EAST SIDE BITTERROOT	3	59	65
					WEST SIDE BITTERROOT	3	28	26
					BITTERROOT RIVER BASIN	7	46	47

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 (2) - The value is natural volume - actual volume may be affected by upstream water management.

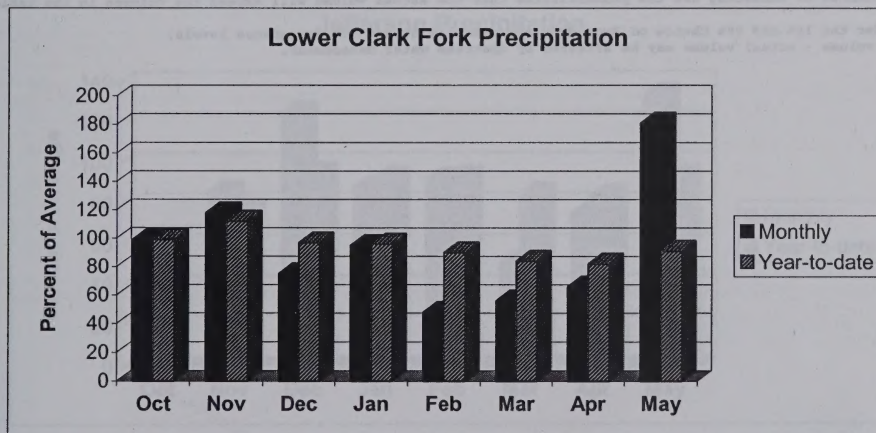
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average. Snow water content was 54 percent of average and 68 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during May was 178 percent of average and 224 percent of last year. Valley precipitation during May was 191 percent of average and 237 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 91 percent of average and 103 percent of last year.



Noxon Rapids storage was 103 percent of average and 97 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -2.9 in the Clark Fork River below Bitterroot River and -2.5 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->						30-Yr Avg. (1000AF)
		Chance Of Exceeding *		Chance Of Exceeding *		Chance Of Exceeding *		
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
CLARK FORK blw Missoula	JUN-JUL	753	802	835	61	940	1090	1380
	JUN-SEP	919	985	1030	61	1150	1320	1680
CLARK FORK at St. Regis (1)	JUN-JUL	943	1030	1090	62	1270	1670	1770
	JUN-SEP	1161	1279	1360	63	1560	2010	2160
CLARK FORK nr Plains (1,2)	JUN-JUL	3044	3256	3400	67	3810	4720	5100
	JUN-SEP	3668	3925	4100	67	4560	5570	6090
THOMPSON nr Thompson Falls	JUN-JUL	42	50	55	67	65	79	82
	JUN-SEP	57	67	73	68	84	101	108
PROSPECT CREEK at Thompson Falls	JUN-JUL	14.6	18.4	21	51	24	27	41
	JUN-SEP	19.0	23	26	52	29	33	50
CLARK FK at Whitehorse Rpds (1,2)	JUN-JUL	3361	3616	3790	67	4260	5290	5620
	JUN-SEP	4105	4412	4620	68	5140	6290	6750

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
		Year	Year	
NOXON RAPIDS	335.0	322.0	332.7	313.6

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

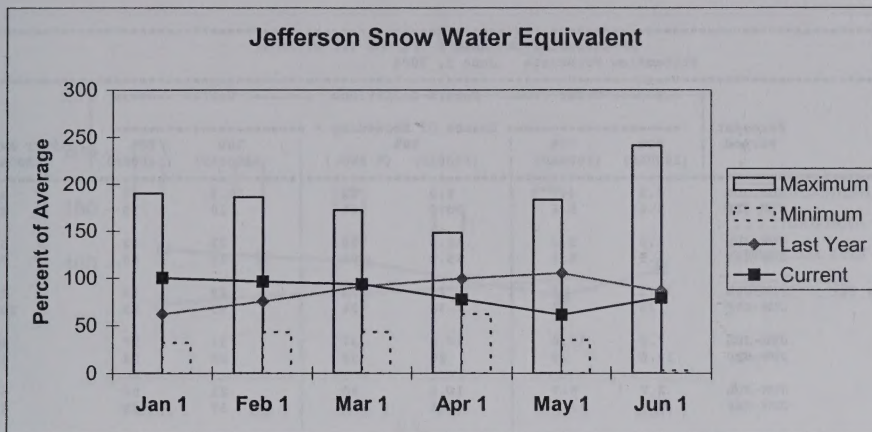
Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
LOWER CLARK FORK BASIN	7	68	54

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

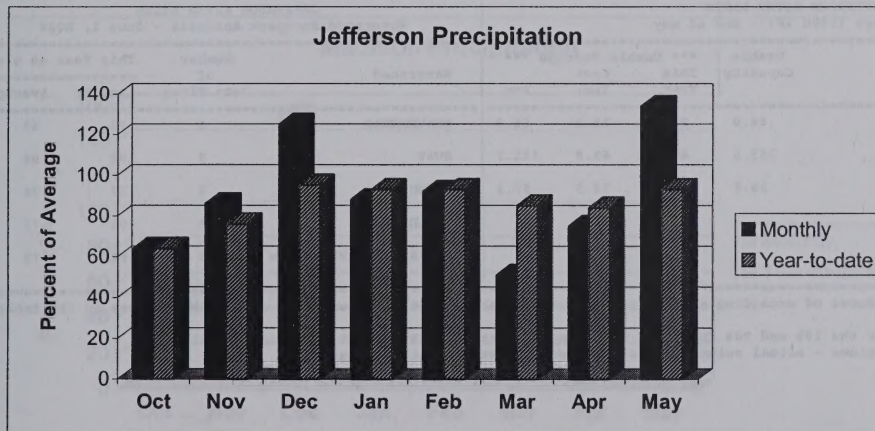
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were below average. Snow water content was 79 percent of average and 92 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during May was 129 percent of average and 170 percent of last year. Valley precipitation during May was 149 percent of average and 241 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 93 percent of average and 97 percent of last year.



Lima storage was 43 percent of average and 91 percent of last year; Clark Canyon storage was 31 percent of average and 77 percent of last year; and Ruby River storage was 74 percent of average and 73 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -4.0 in the Beaverhead River; -1.5 in the Ruby River; -0.4 in the Big Hole River; +0.9 in the Boulder River; and -1.0 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
LIMA RESERVOIR Inflow (2)	JUN-JUL	1.2	4.7	8.0	21	16.3	29	39
	JUN-SEP	1.4	5.6	10.0	21	20	35	47
CLARK CANYON Inflow (2)	JUN-JUL	1.0	5.6	10.0	20	23	42	51
	JUN-SEP	1.5	8.4	15.0	20	33	60	76
BEAVERHEAD RIVER at Barretts (2)	JUN-JUL	15.1	22	22	31	29	39	71
	JUN-SEP	25	35	35	34	45	59	103
RUBY RESERVOIR Inflow	JUN-JUL	7.0	13.0	17.0	37	21	27	46
	JUN-SEP	15.0	20	24	39	28	33	62
BIG HOLE RIVER at Wisdom	JUN-JUL	2.7	9.7	16.0	30	32	56	54
	JUN-SEP	3.1	11.3	18.5	29	37	63	63
BIG HOLE RIVER nr Melrose	JUN-JUL	75	108	130	40	152	186	325
	JUN-SEP	90	126	150	40	175	210	380
BOULDER RIVER nr Boulder	JUN-JUL	2.2	10.0	20	56	30	45	36
	JUN-SEP	2.6	12.0	24	56	36	53	43
WILLOW CREEK Reservoir Inflow	JUN-JUL	0.3	1.8	5.4	50	9.0	14.8	10.8
	JUN-SEP	0.7	2.0	6.5	50	11.0	17.7	13.1
JEFFERSON RIVER nr Three Forks (2)	JUN-JUL	7.0	57	110	30	165	240	370
	JUN-SEP	13.0	61	135	30	210	320	450

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of May

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

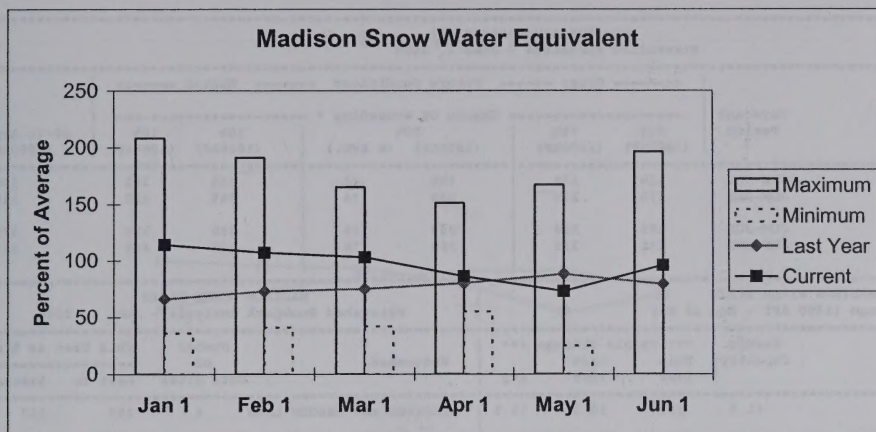
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
LIMA	84.0	28.3	31.2	65.8	BEAVERHEAD	8	92	69
CLARK CANYON	255.6	49.3	63.8	161.2	RUBY	5	108	98
RUBY RIVER	38.8	28.1	38.3	37.9	BIGHOLE	8	77	78
					BOULDER	3	102	70
					JEFFERSON RIVER BASIN	19	92	79

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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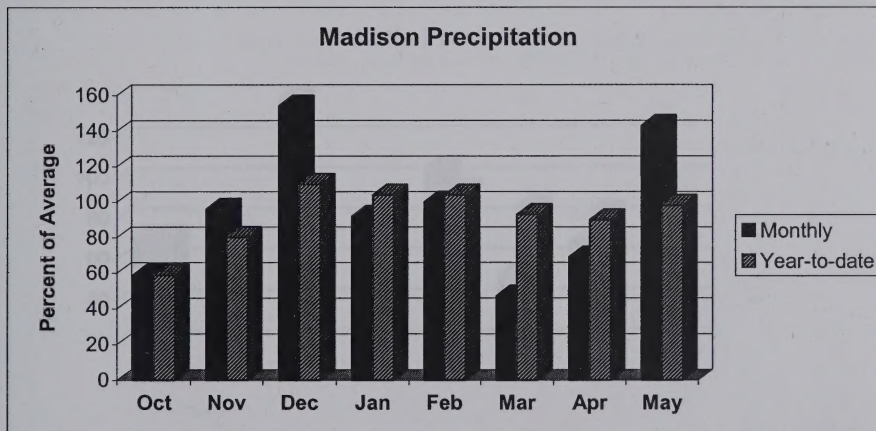
Madison River Basin

Snowpack conditions in the Madison River Basin were near average. Snow water content was 96 percent of average and 122 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May was 143 percent of average and 147 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 98 percent of average and 107 percent of last year.



Ennis Lake storage was 80 percent of average and 80 percent of last year and Hebgen Lake storage was 104 percent of average and 94 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -2.9 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
HEBGEN Reservoir Inflow	JUN-JUL	110	134	150	75	166	191	200
	JUN-SEP	170	205	230	74	255	290	310
ENNIS Reservoir Inflow (2)	JUN-JUL	185	230	260	69	290	335	375
	JUN-SEP	275	335	380	70	425	485	540

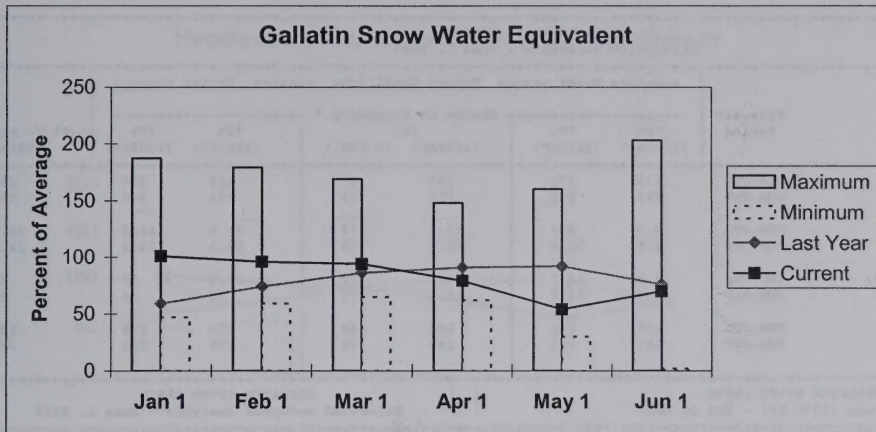
MADISON RIVER BASIN Reservoir Storage (1000 AF) - End of May					MADISON RIVER BASIN Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of ----- Last Yr Average	
		This Year	Last Year	Avg			Last Yr	Average
ENNIS LAKE	41.0	28.2	35.1	35.3	MADISON abv HEBGEN LAKE	4	159	117
HEBGEN LAKE	377.5	327.1	348.5	314.7	MADISON blw HEBGEN LAKE	7	108	88
					MADISON RIVER BASIN	11	122	96

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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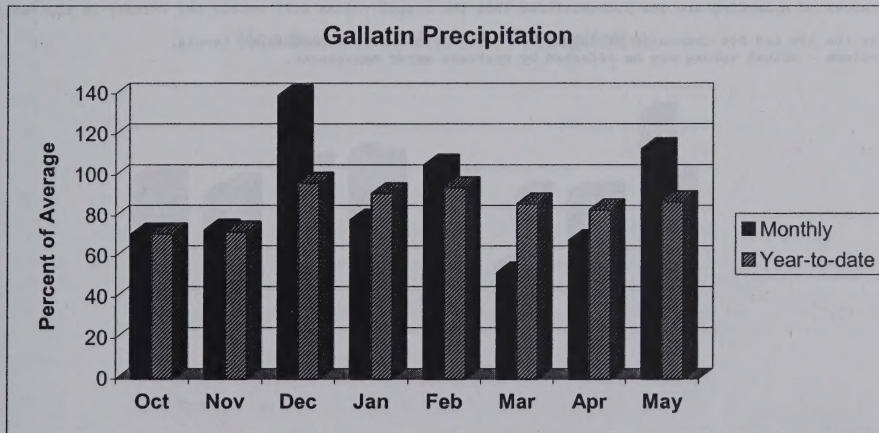
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average. Snow water content was 70 percent of average and 92 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during May was 115 percent of average and 142 percent of last year. Valley precipitation during May was 104 percent of average and 120 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 87 percent of average and 98 percent of last year.



Middle Creek storage was 130 percent of average and 101 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -3.7 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - June 1, 2004

		<----- Drier -----> Future Conditions -----> Wetter ----->							
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)		
GALLATIN RIVER nr Gateway	JUN-JUL	133	170	195	68	220	255	285	
	JUN-SEP	172	220	255	71	290	340	360	
HYALITE RESERVOIR Inflow	JUN-JUL	5.2	8.3	10.4	70	12.5	15.6	14.9	
	JUN-SEP	6.5	10.1	12.5	69	14.9	18.8	18.0	
HYALITE CREEK nr Bozeman (2)	JUN-JUL	5.9	10.7	14.0	70	17.0	22	20	
	JUN-SEP	8.4	14.1	18.0	69	22	28	26	
GALLATIN RIVER at Logan (2)	JUN-JUL	128	165	190	68	215	250	280	
	JUN-SEP	165	215	245	68	275	325	360	

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of May

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
MIDDLE CREEK	10.2	9.9	9.8	7.6	UPPER GALLATIN	3	108	82
					HYALITE	2	75	60
					BRIDGER	2	0	0
					GALLATIN RIVER BASIN	7	92	70

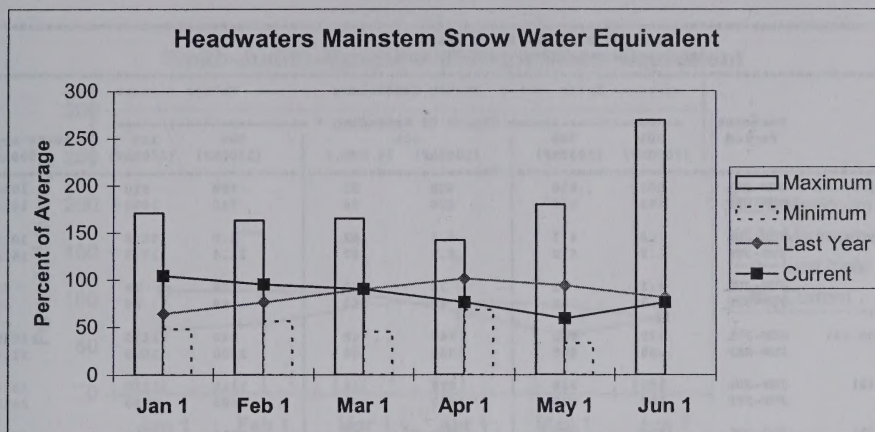
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
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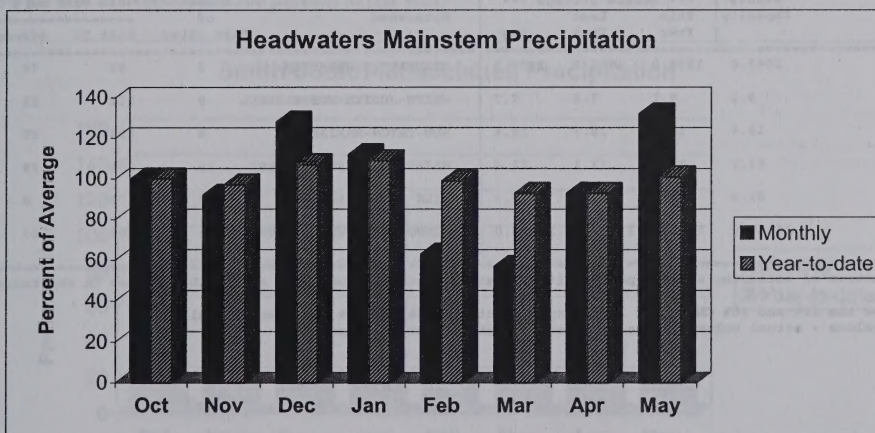
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were below average. Snow water content was 76 percent of average and 93 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961 and 1966; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during May was 127 percent of average and 152 percent of last year. Valley precipitation during May was 135 percent of average and 134 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 101 percent of average and 100 percent of last year.



Canyon Ferry Lake storage was 83 percent of average and 78 percent of last year; Helena Valley storage was 118 percent of average and 130 percent of last year; Lake Helena storage was 77 percent of average and 104 percent of last year; Hauser & Helena storage was 119 percent of average and 102 percent of last year; Holter Lake storage was 102 percent of average and 100 percent of last year; and Fort Peck Lake storage was 61 percent of average and 86 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -4.0 in the Missouri River above Canyon Ferry; -4.0 in the Missouri River below Canyon Ferry; -3.5 in the Missouri River above Fort Peck; and -4.0 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - June 1, 2004

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	90%		50%		30%		30-Yr Avg. (1000AF)
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
MISSOURI RIVER at Toston (2)	JUN-JUL	200	410	555	51	700	910	1090
	JUN-SEP	155	430	620	44	810	1090	1420
PRICKLY PEAR CREEK nr Clancy	JUN-JUL	1.0	4.1	6.3	62	8.5	11.6	10.2
	JUN-SEP	1.9	6.0	8.7	62	11.4	15.2	14.1
DEARBORN nr Craig	JUN-JUL	3.1	21	38	60	55	79	63
	JUN-SEP	3.3	22	40	60	58	85	67
MISSOURI RIVER at Fort Benton (2)	JUN-JUL	425	600	760	48	930	1110	1580
	JUN-SEP	585	805	1050	48	1300	1520	2170
MISSOURI RIVER at Virgelle (2)	JUN-JUL	380	629	870	48	1111	1570	1820
	JUN-SEP	510	878	1200	49	1521	2090	2430
MISSOURI RIVER nr Landusky (2)	JUN-JUL	390	702	960	49	1218	1700	1950
	JUN-SEP	520	974	1320	51	1666	2270	2610
MISSOURI RIVER below Fort Peck (2)	JUN-JUL	355	700	960	49	1220	1570	1960
	JUN-SEP	460	902	1240	49	1576	2040	2550
LAKE SAKAKAWEA Inflow (2)	JUN-JUL	2150	2780	3360	58	3940	4580	5800
	JUN-SEP	2680	3480	4200	58	4920	5720	7240

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1374.0	1761.0	1656.7
HELENA VALLEY	9.2	9.1	7.0	7.7
LAKE HELENA	10.4	11.1	10.7	14.4
HAUSER & HELENA	61.9	74.8	73.1	62.6
HOLTER LAKE	81.9	81.0	80.8	79.8
FORT PECK LAKE	18910.0	9508.0	11070.0	15495.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

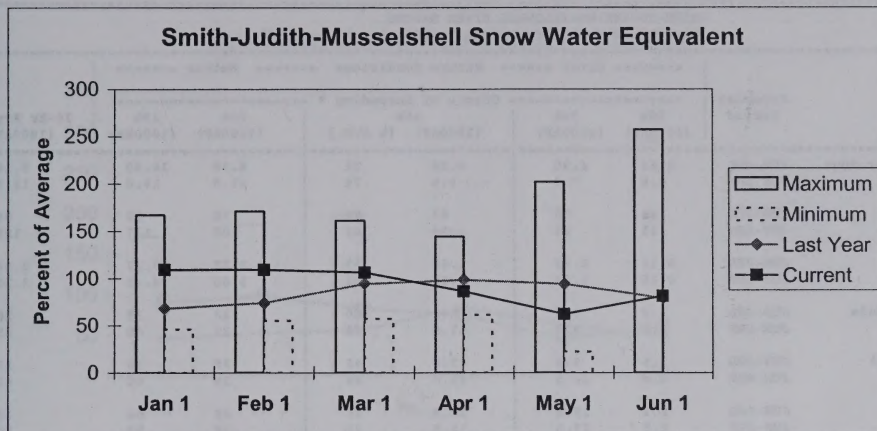
Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
HEADWATERS MAINSTEM	5	93	76
SMITH-JUDITH-MUSSELSHELL	9	112	81
SUN-TETON-MARIAS	6	124	59
MAINSTEM ab FT PECK RES	19	109	69
MILK RIVER BASIN	4	0	0
MISSOURI MAINSTEM BASIN	22	109	69

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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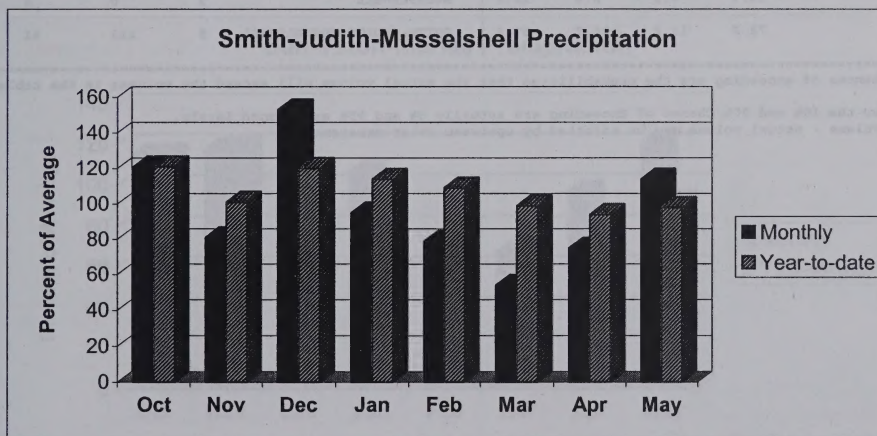
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were below average. Snow water content in the Smith was 93 percent of average and 114 percent of last year; Judith was 84 percent of average and 103 percent of last year; and the Musselshell had no snow remaining at the SNOTEL sites.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May in the Smith-Belts was 134 percent of average and 178 percent of last year; in the Judith was 109 percent of average and 120 percent of last year; and in the Musselshell was 96 percent of average and 121 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 98 percent of average and 100 percent of last year.



Smith River storage was 114 percent of average and 264 percent of last year; Bair storage was 71 percent of average and 94 percent of last year; Bair storage was 56 percent of average and 79 percent of last year; Martinsdale storage was 23 percent of average and 48 percent of last year; and Deadman's Basin was 23 percent of average and 53 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -2.3 in the Smith River and -3.8 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->						
		Chance Of Exceeding *					30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
SHEEP CREEK nr White Sulphur Spgs.	JUN-JUL	2.60	4.90	6.50	71	8.10	10.40	9.10
	JUN-SEP	4.0	7.0	9.0	74	11.0	14.0	12.1
SMITH RIVER abv Eagle Creek	JUN-JUL	44	58	67	74	76	90	90
	JUN-SEP	31	63	84	67	105	137	125
NF MUSSELSHELL nr Delpine	JUN-JUL	0.11	0.69	1.45	63	2.17	3.37	2.30
	JUN-SEP	0.16	1.04	2.00	63	3.00	4.40	3.20
SF MUSSELSHELL abv Martinsdale	JUN-JUL	1.0	6.8	15.0	60	23	35	25
	JUN-SEP	1.2	8.7	17.5	60	27	40	29
MUSSELSHELL at Harlowton (2)	JUN-JUL	1.5	9.4	17.0	46	25	36	37
	JUN-SEP	1.6	10.5	19.0	46	28	40	41
MUSSELSHELL nr Roundup (2)	JUN-JUL	2.3	16.4	11.8	25	29	54	47
	JUN-SEP	2.5	17.5	12.5	25	30	55	50

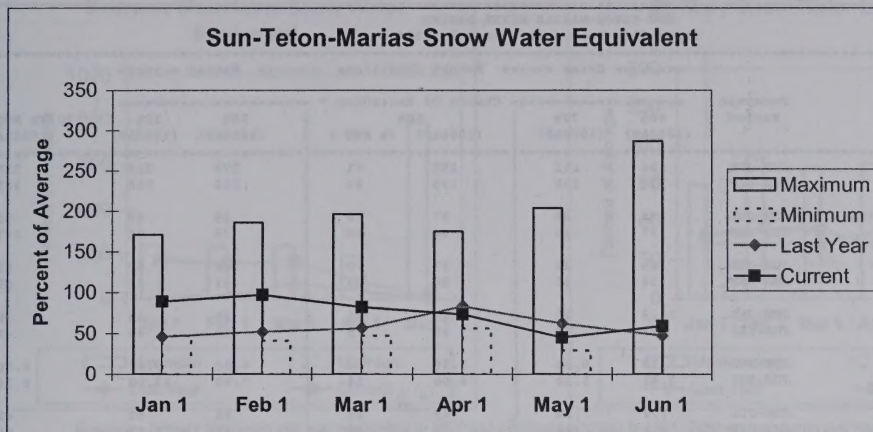
SMITH-JUDITH-MUSSELSHELL RIVER BASINS					SMITH-JUDITH-MUSSELSHELL RIVER BASINS		
Reservoir Storage (1000 AF) - End of May					Watershed Snowpack Analysis - June 1, 2004		
Reservoir	Usable Capacity	*** This Year	Usable Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr Average
SMITH RIVER	10.6	10.9	11.6	10.2	SMITH	6	114
BAIR	7.0	3.3	4.2	5.9	JUDITH	4	103
MARTINSDALE	23.1	4.2	8.8	18.2	MUSSELSHELL	2	0
DEADMAN'S BASIN	72.2	13.2	24.7	57.6	SMITH-JUDITH-MUSSELSHELL	9	112

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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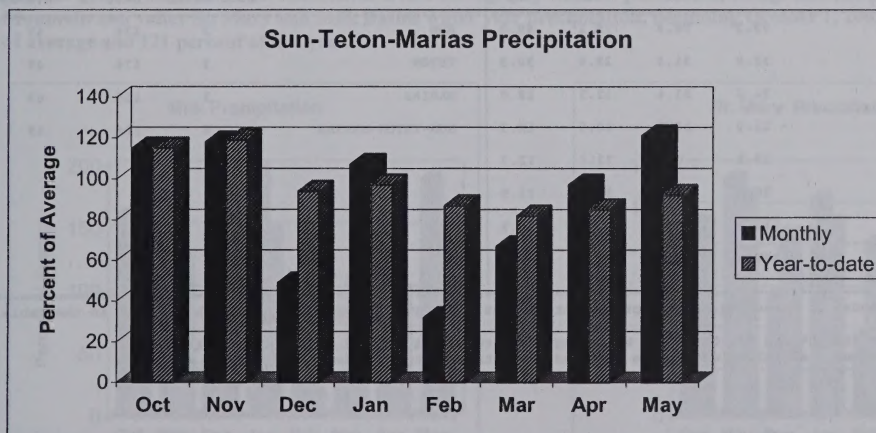
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were well below average. Snow water content in the Sun was 47 percent of average and 174 percent of last year; Teton was 47 percent of average and 174 percent of average; and Marias was 63 percent of average and 116 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May in the Sun was 103 percent of average and 251 percent of last year; in the Teton was 115 percent of average and 213 percent of last year; and in the Marias was 131 percent of average and 205 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 92 percent of average and 111 percent of last year.



Gibson storage was 106 percent of average and 100 percent of last year; Pishkun storage was 104 percent of average and 110 percent of last year; Willow Creek storage was 112 percent of average and 97 percent of last year; Lower Two Medicine Lake storage was 84 percent of average and 98 percent of last year; Four Horns Lake storage was 2 percent of average and 1 percent of last year; Swift storage was 113 percent of average and 88 percent of last year; Lake Frances storage was 75 percent of average and 60 percent of last year; and Lake Elwell (Tiber) storage was 107 percent of average and 90 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -2.5 in the Sun River; -2.6 in the Teton River; -2.6 in the Birch/Dupuyer Creeks; and -2.6 in the Marias River above Tiber and -2.4 in the Marias below Tiber.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - June 1, 2004

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	

GIBSON RESERVOIR Inflow	JUN-JUL	96	131	155	61	179	214	255
	JUN-SEP	132	170	195	64	218	258	305
TWO MEDICINE RIVER nr Browning	JUN-JUL	34	48	57	60	66	80	95
	JUN-SEP	37	53	64	60	75	91	107
BADGER CREEK nr Browning (2)	JUN-JUL	24	32	37	70	42	50	53
	JUN-SEP	34	43	50	73	57	66	69
SWIFT RESERVOIR Inflow	JUN-JUL	14.9	21	25	71	29	35	35
	JUN-SEP	22	30	35	75	40	48	47
DUPUYER CREEK nr Valier	JUN-JUL	0.32	0.95	3.50	54	6.00	9.80	6.50
	JUN-SEP	0.41	1.50	4.50	54	7.50	12.00	8.30
CUT BANK CREEK at Cut Bank	JUN-JUL	7.0	20	29	69	38	51	42
	JUN-SEP	8.2	24	35	69	46	62	51
MARIAS RIVER nr Shelby (2)	JUN-JUL	2.0	49	92	50	135	198	183
	JUN-SEP	3.0	64	105	50	146	208	210
TETON nr Dutton	JUN-JUL	0.8	4.3	14.7	54	25	40	27
	JUN-SEP	1.7	8.2	19.0	54	30	46	35

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of May

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - June 1, 2004

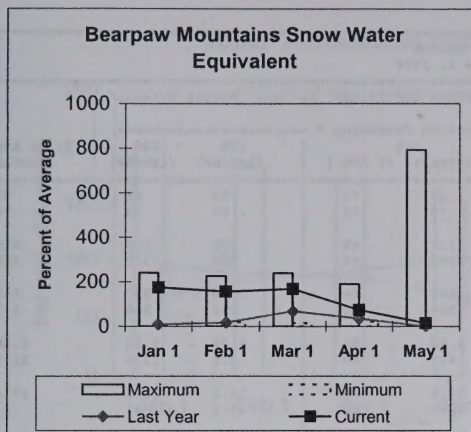
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
GIBSON	99.1	94.8	95.1	89.2	SUN	2	174	47
PISHKUN	32.0	31.6	28.6	30.3	TETON	3	174	47
WILLOW CREEK	32.2	31.4	32.3	28.0	MARIAS	3	116	63
LOWER TWO MEDICINE LAKE	11.9	10.3	10.5	12.3	SUN-TETON-MARIAS	6	124	59
FOUR HORNS LAKE	19.2	0.2	13.6	12.7				
SWIFT	30.0	26.5	30.1	23.5				
LAKE FRANCES	112.0	63.0	104.9	83.9				
LAKE ELWELL (TIBER)	1347.0	787.6	871.2	737.7				

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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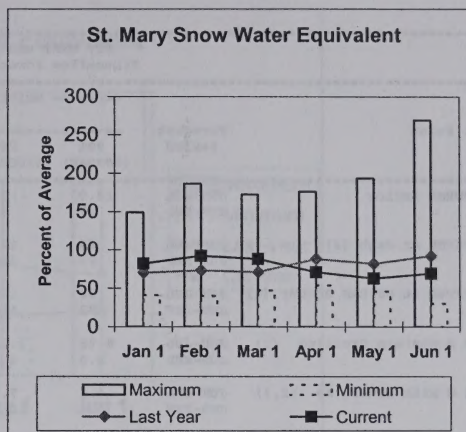
St. Mary and Milk River Basins

Snowpack conditions in the St. Mary were below average. Snow water content was 69 percent of average and 75 percent of last year. There was not any snow remaining on SNOTEL or snow courses in the Milk.

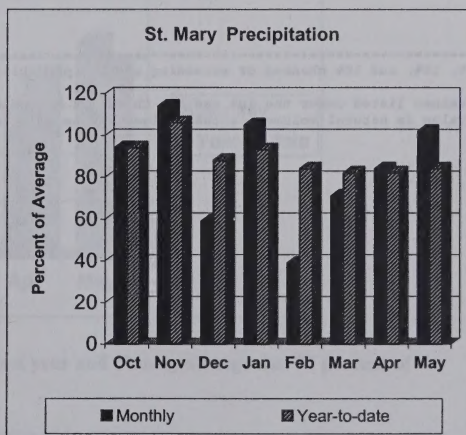
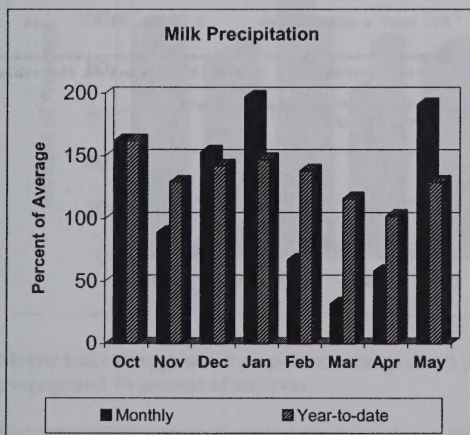


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum swe was in 1973; March maximum swe was 1978 and minimum swe was 1995; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1967 and 1972 and minimum swe was in 2001; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.



Mountain and valley precipitation in the St. Mary River Basin during May was 102 percent of average and 148 percent of last year; and in the Milk River Basin during May was 191 percent of average and 218 percent of last year. Mountain and valley St. Mary and Milk Basins water year precipitation, beginning October 1, 2003, was 107 percent of average and 121 percent of last year.



Lake Sherburne storage was 94 percent of average and 131 percent of last year; Fresno storage was 101 percent of average and 66 percent of last year; Fresno storage was 55 percent of average and 54 percent of last year; Beaver Creek storage was 107 percent of average and 97 percent of last year; and Nelson storage was 111 percent of average and 91 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -3.1 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - June 1, 2004

		<----- Drier ----- Future Conditions ----- Wetter ----->						
Forecast Point	Forecast Period	90% 70%		50%		30% 10%		30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
LAKE SHERBURNE Inflow	JUN-JUL	18.0	33	43	71	53	68	61
	JUN-SEP	27	44	55	71	66	83	78
ST. MARY RIVER nr Babb (2)	JUN-JUL	69	126	165	66	205	260	250
	JUN-SEP	95	160	205	65	250	315	315
ST. MARY RIVER at US/CAN Border (2)	JUN-JUL	50	120	170	64	220	290	265
	JUN-SEP	82	165	220	64	275	360	345
MILK RIVER @ Western Crossing (3)	JUN-JUL	0.85	3.20	4.90	52	6.00	7.50	9.50
	JUN-SEP	2.0	4.3	6.7	59	8.5	11.0	11.3
MILK RIVER @ Milk River, AB (2,3)	JUN-JUL	4.5	7.7	10.4	60	13.0	16.2	17.4
	JUN-SEP	6.4	10.9	14.3	67	17.1	21	21
MILK RIVER @ Eastern Crossing(2,3)	JUN-JUL	4.1	9.4	11.3	58	15.6	17.7	19.5
	JUN-SEP	7.2	16.5	17.9	62	25	27	29
BEAVER CREEK near Havre	JUN-JUL	0.32	1.20	0.60	15	1.89	3.89	4.00

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
LAKE SHERBURNE	64.3	21.2	30.2	32.0
FRESNO	127.0	45.7	84.7	83.5
BEAVER CREEK	3.5	3.2	3.3	3.0
NELSON	66.8	45.2	49.5	40.6

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - June 1, 2004

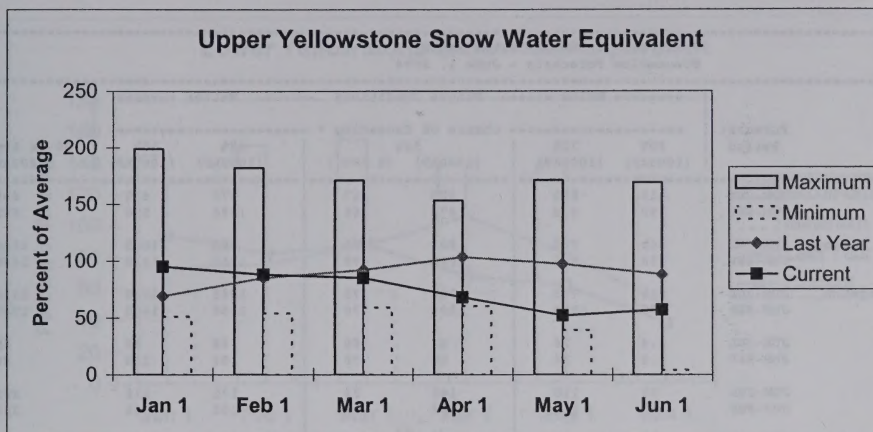
Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
ST. MARY	2	75	69
BEARPAW MOUNTAINS	4	0	0
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	4	0	0
ST. MARY & MILK BASINS	6	75	58

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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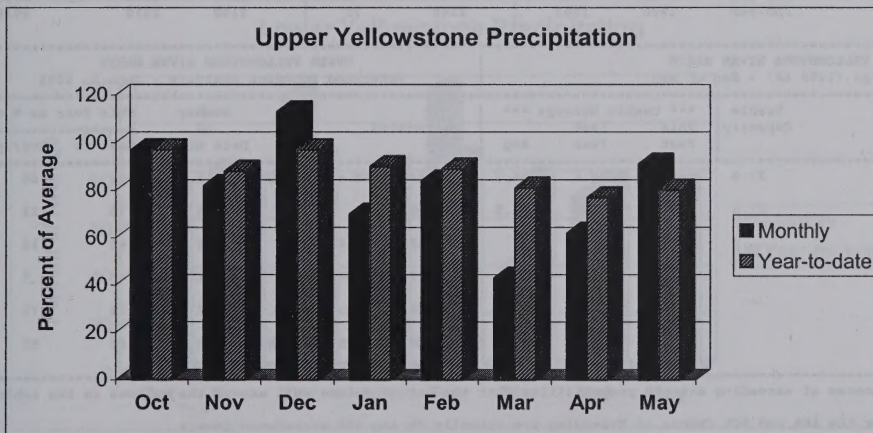
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well below average. Snow water content was 57 percent of average and 65 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during May was 130 percent of average and 123 percent of last year. Valley precipitation during May was 63 percent of average and 76 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 80 percent of average and 83 percent of last year.



Mystic Lake storage was 4 percent of average and 3 percent of last year and Cooney storage was 97 percent of average and 79 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -3.1 in the Yellowstone River above Livingston; -3.5 in the Shields River; -4.0 in the Boulder River; -3.5 in the Stillwater River; -4.0 in the Rock/Red lodge Creeks; -3.3 in the Clarks Fork River; and -3.3 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - June 1, 2004

		<----- Drier ----- Future Conditions ----- Wetter ----->						
Forecast Point	Forecast Period	90% (1000AF)		50% (1000AF) (% AVG.)		30% (1000AF)		30-Yr Avg. (1000AF)
		70% (1000AF)			10% (1000AF)			
YELLOWSTONE at Lake Outlet	JUN-JUL	215	280	325	67	370	435	485
	JUN-SEP	350	420	470	68	520	590	695
YELLOWSTONE RIVER at Corwin Springs	JUN-JUL	560	705	800	70	895	1045	1140
	JUN-SEP	730	900	1020	70	1140	1310	1460
YELLOWSTONE RIVER near Livingston	JUN-JUL	610	795	920	70	1045	1225	1310
	JUN-SEP	775	1020	1190	70	1360	1600	1700
SHIELDS RIVER nr Livingston	JUN-JUL	3.4	26	47	68	68	99	69
	JUN-SEP	4.3	34	60	70	86	125	86
BOULDER RIVER at Big Timber	JUN-JUL	71	115	145	71	175	218	205
	JUN-SEP	82	131	165	72	201	246	230
MYSTIC LAKE Reservoir Inflow (2)	JUN-JUL	23	31	36	75	41	49	48
	JUN-SEP	33	43	50	76	57	67	66
STILLWATER RIVER nr Absarokee (2)	JUN-JUL	193	235	260	71	285	325	365
	JUN-SEP	240	295	330	72	365	420	460
CLARKS FORK RIVER nr Belfry	JUN-JUL	121	215	280	72	345	440	390
	JUN-SEP	134	245	320	72	395	505	445
COONEY RESERVOIR Inflow (2)	JUN-JUL	1.1	7.3	12.6	55	18.4	25	23
	JUN-SEP	3.7	12.6	18.7	55	25	34	34
YELLOWSTONE RIVER at Billings (2)	JUN-JUL	1360	1550	1710	72	1860	2050	2380
	JUN-SEP	1700	1880	2140	72	2390	2570	2990

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of May

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
MYSTIC LAKE	21.0	0.2	7.6	5.7	YELLOWSTONE ab LIVINGSTON	11	74	66
COONEY	27.4	20.9	26.6	21.5	SHIELDS	4	75	33
					BOULDER-STILLWATER	3	45	38
					RED LODGE-ROCK CREEK	1	6	7
					CLARK'S FORK	7	72	73
					UPPER YELLOWSTONE BASIN	22	65	57

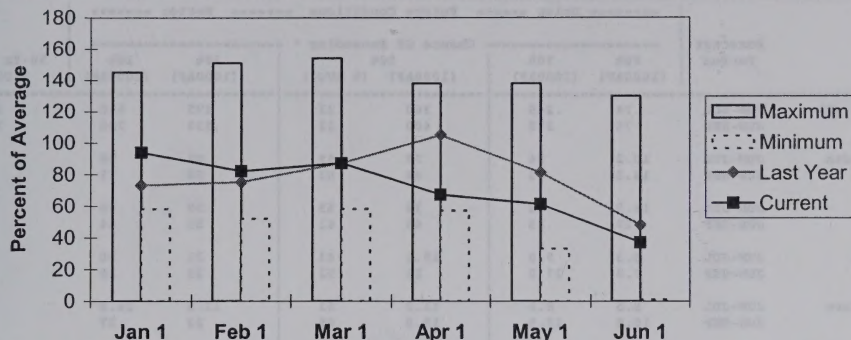
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Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were severely below average. Snow water content was 37 percent of average and 78 percent of last year.

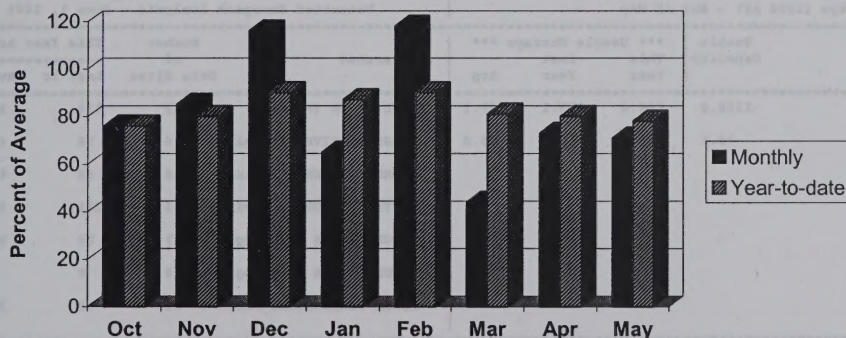
Lower Yellowstone Snow Water Equivalent



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May was 71 percent of average and 81 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 78 percent of average and 81 percent of last year.

Lower Yellowstone Precipitation



Bighorn Lake storage was 75 percent of average and 96 percent of last year and Tongue River storage was 94 percent of average and 57 percent of last year.

For streamflow snow melt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -4.0 in the Bighorn River below Bighorn Lake; -3.7 in the Little Bighorn River; -3.6 in the Yellowstone River below Bighorn River; -3.7 in the Tongue River; and -4.0 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - June 1, 2004

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	JUN-JUL	74	245	360	33	475	645	1090
	JUN-SEP	75	270	400	32	530	725	1240
LITTLE BIGHORN RIVER nr Hardin	JUN-JUL	10.3	24	33	49	42	56	67
	JUN-SEP	14.8	32	44	53	56	73	83
TONGUE RIVER nr Dayton (2)	JUN-JUL	14.2	25	32	55	39	50	58
	JUN-SEP	22	35	43	61	51	64	71
BIG GOOSE CREEK nr Sheridan	JUN-JUL	0.3	9.0	15.1	43	21	30	35
	JUN-SEP	7.3	17.0	23	52	29	39	44
LITTLE GOOSE CREEK nr Big Horn	JUN-JUL	5.5	8.9	11.2	53	13.5	16.9	21
	JUN-SEP	10.5	15.5	18.8	65	22	27	29
TONGUE RIVER RESERVOIR Inflow (2)	JUN-JUL	4.0	24	44	35	64	93	126
	JUN-SEP	7.0	43	67	44	91	127	153
YELLOWSTONE RIVER at Miles City (2)	JUN-JUL	1760	1980	2200	61	2450	2630	3600
	JUN-SEP	2180	2450	2730	61	3030	3250	4450
POWDER RIVER at Moorehead	JUN-JUL	3.0	19.0	25	24	51	90	105
	JUN-SEP	4.0	16.0	35	27	62	102	128
POWDER RIVER near Locate	JUN-JUL	2.0	11.0	23	20	35	53	116
	JUN-SEP	3.0	13.0	28	20	43	65	141
YELLOWSTONE RIVER nr Sidney (2)	JUN-JUL	1790	2120	2370	65	2630	2960	3650
	JUN-SEP	2190	2500	2900	65	3300	3610	4460

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of May

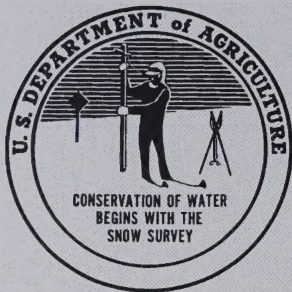
Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
BIGHORN LAKE	1356.0	646.0	675.1	867.1
TONGUE RIVER	79.1	45.0	79.1	48.0

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - June 1, 2004

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
WIND RIVER (Wyoming)	12	134	37
SHOSHONE RIVER (Wyoming)	6	56	41
BIGHORN RIVER (Wyoming)	16	68	41
LITTLE BIGHORN (Wyoming)	2	121	63
TONGUE RIVER (Wyoming)	7	88	24
POWDER RIVER (Wyoming)	6	0	0
LOWER YELLOWSTONE BASIN (	31	78	37

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Montana Water Supply Outlook Report

**Natural Resources Conservation Service
Bozeman, MT**

